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With an Appendix,

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CONTENTS.

PART I.

PAGE

LIST OF AUTHORS OF PAPERS PUBLISHED IN THE TRANSACTIONS, CUNNINGHAM MEMOIRS, AND IRISH MANUSCRIPT SERIES, OF THE ROYAL IRISH ACADEMY, FROM 1786 TO 1886. (ARRANGED IN ALPHABETICAL ORDER), ... 1

PART II.

LIST OF PAPERS PUBLISHED IN THE TRANSACTIONS, CUNNINGHAM MEMOIRS, AND IRISH MANUSCRIPT SERIES, OF THE ROYAL IRISH ACADEMY, FROM 1786 TO 1886. (ARRANGED IN ALPHABETICAL ORDER), . . . 23

APPENDIX.

A.—PRESIDENTS AND OTHER OFFICERS OF THE ROYAL IRISH ACADEMY, FROM 1785 TO 1887, ... 75

B.—NAMES OF PERSONS TO WHOM THE CUNNINGHAM GOLD MEDALS HAVE BEEN AWARDED, ... 81

PART I.

LIST OF AUTHORS OF PAPERS

PUBLISHED IN THE

"TRANSACTIONS," "CUNNINGHAM MEMOIRS," AND "IRISH MANUSCRIPT SERIES,"

OF THE

Royal Irish Academy,

FROM 1786-1886.

ARRANGED IN ALPHABETICAL ORDER.

[N.B.—The full Titles of the Papers will be found in PART II.]

AUTHOR'S NAME AND TITLE OF PAPER.	VOLUME.	SERIES AND PAGE.
Adams, A. Leith, F.R.S.		
Shandon Cave.	XXVI.	S. 187
Allman, George James, M.D., F.R.S.		
Tunicata and Polyzoa.	XXII.	S. 275
Allman, George Johnston, LL.D.		
Ellipsoids: Clairaut's Theorem.	XXII.	S. 379
Allman, William, B.A.		
Logarithms.	VI.	S. 391
Andrews, Thomas, M.D., F.R.S.		
Voltaic Circles.	XVIII.	S. 149
Heat developed, &c. [by Chemical combinations].	XIX.	S. 228
Heat developed, &c.	,,	S. 393
Andrews, William.		
Ziphius sowerbyi.	XXIV.	S. 429
Apjohn, James, M.D., F.R.S.		
Hygrometer.	XVII.	S. 275
,, (continued).	,,	S. 283
Specific Heats of Gases.	XVIII.	S. 1
Meteoric Stone.	,,	S. 17
Alum.	,,	S. 157
Iodide of Potassium, &c., Compound of.	,,	S. 162
Saccharine Matters.	XXIV.	S. 587

Author's Name and Title of Paper.	Volume.	Series and Page.
Auchinleck, H. B.		
Chronology of Judges of Israel.	XI.	A. 63
Austin, Rev. Gilbert, M. A.		
Barometer.	IV.	S. 99
Screws.	,,	S. 145
Apparatus, &c. (Chemical).	VIII.	S. 131
,, ,,	X.	S. 8
Bailie, James Kennedy, D. D.		
Inscribed Monuments.	XIX.	P. L. 111
,, ,,	XXI.	P. L. 11
Medallion Busts.	XXII.	P. L. 85
Baker, J. G.		
Fern Flora of the Seychelles.	XXV.	S. 509
Bald, William, C. E.		
Mayo, Survey of.	XIV.	S. 51
Ball, Robert, LL. D.		
Ireland; Phocidæ.	XVIII.	S. 89
Ball, Sir Robert Stawell, LL. D., F. R. S.		
Oscillations of a Rigid Body.	XXIV.	S. 593
Vortex Rings of Air.	XXV.	S. 185
Screws.	,,	S. 157
Screw Co-ordinates.	,,	S. 295
Screws.	XXVIII.	S. 99
Rigid System.	,,	S. 159
Ball, V., M. A., F. R. S.		
Lion-Breeding.	XXVIII.	S. 723
Balkwill, Frederick Pryor (and Joseph Wright).		
Foraminifera, Irish.	XXVIII.	S. 317
Barnard, Right Rev. Thomas, F. R. S.		
Scots in Britain.	I.	A. 25
Barrett, Rev. John, B. D.		
Matthew's Gospel, MS. of St.	I.	A. 121
Beauford, William, B. A.		
Coins.	I.	A. 139
Sepulchre, Ancient, in Kildare.	II.	A. 51
Ptolemy's Geography.	III.	A. 51
Killossy Church.	,,	A. 75
Caoinan.	IV.	A. 41

Author's Name and Title of Paper.	Volume.	Series and Page.
Beaufort, L. C.		
Architecture and Antiquities, Irish.	XV.	A. 101
Betham, Sir W.		
Astronomical Instrument.	XVII.	A. 8
Hiberno-Celtic and Phenician Languages.	"	A. 73
Phenician and Celtic Languages.	"	A. 21
Ring Money.	"	A. 7
" "	"	A. 91
Birmingham, J.		
Red Stars.	XXVI.	S. 249
Bland, F. C.		
Staigue Fort.	XIV.	A. 17
Boole, George, LL. D.		
Discontinuous Functions.	XXI.	S. 124
Integral, Multiple Definite.	"	S. 140
Brewster, Sir David, LL. D., F. R. S.		
Polarization.	XIX.	S. 377
Brinkley, Right Rev. John, D. D., F. R. S.		
Trigonometrical Theorems.	VII.	S. 27
Circle, Property of the.	"	S. 151
Variable Quantities.	"	S. 321
Orbits of Bodies.	VIII.	S. 215
Sphere.	"	S. 513
Kepler's Problem.	IX.	S. 83
Oblique Cylinder, Elliptic areas, &c.	"	S. 145
Gravity, Resistance and.	XI.	S. 45
Apparent Distance of Moon, &c.	"	S. 69
Annual Parallax.	XII.	S. 83
Refractions.	"	S. 77
Annual Parallax.	"	S. 119
Lunar Perigee.	XIII.	S. 25
Arbitrary Constant Quantities.	"	S. 53
Refractions.	"	S. 165
Comet.	"	S. 189
Solar Nutation.	XIV.	S. 5
Equinoxes.	XV.	S. 39
Bronwin, Rev. Brice.		
Planetary Disturbance.	XXII.	S. 25
Browne, Arthur, LL. D., S. F. T. C. D.		
Greek Tenses.	III.	P. L. 11
Tacitus and Suetonius.	V.	P. L. 3
Greek Accents.	VII.	P. L. 359
Vicar's Cairn in Co. Armagh.	VIII.	A. 3
Trumpets, &c., Ancient.	"	A. 11

Author's Name and Title of Paper.	Volume.	Series and Page.
Brownrigg, John.		
Ardnorcher Fort.	II.	A. 43
Bruce, William, D.D.		
James VI., &c., Letters of.	XV.	A. 243
Burke, Francis, LL.D.		
Powers and their Differences.	XI.	S. 131
Burrowes, Archdeacon, Ex.-F.T.C.D.		
Goldsmith.	VI.	P.L. 71
Burrowes, George, M.D.		
Stomach, A Fistulous Opening in the.	IV.	S. 177
Spleen, An enlarged.	,,	S. 183
Burrowes, Rev. Robert, D.D.		
Johnson. No. I.	I.	P.L. 27
,, No. II.	,,	P.L. 41
Style in Writing.	V.	P.L. 89
Burton, C. E.		
Mars, Aspect of.	XXVI.	S. 427
Bushe, G. Parker, LL.D.		
Population of Ireland.	III.	S. 145
Byrne, Rev. James, M.A.		
Language, Science of.	XXIV.	P.L. 67
Cameron, Sir Charles A. (and R. W. Davy).		
Selenium.	XXVIII.	S. 137
Carmichael, Andrew.		
Habit.	XII.	P.L. 99
Alphabetic Writing.	,,	P.L. 168
Casey, John, LL.D., F.R.S.		
Bicircular Quartics.	XXIV.	S. 457
Circles, Equations of.	XXVI.	S. 527
Cubic Transformations.	Cunningham Memoirs.	No. I.
Charlemont, Earl of, LL.D., F.R.S.		
Woollen Manufacture, &c.	I.	A. 17
Metelin, A custom at.	III.	A. 3
Herodotus.	V.	A. 3
Science, &c., State of.	VI.	P.L. 3
Charleville, Earl of (*see* **Tullamore,** Lord).		

Author's Name and Title of Paper.	Volume.	Series and Page.
Chenevix, Richard, F.R.S.		
Sulphur.	VIII.	S. 233
Clarke, Joseph, M.D.		
Milk, Human.	II.	S. 171
Disease in Infants.	III.	S. 89
Diseases of Infancy.	VI.	S. 3
Cholic and Convulsions in Infancy.	XI.	S. 121
Cleghorn, James, M.D.		
Ovarium. (Ovarian Cyst.)	I.	S. 73
Cochran, Rev. W.		
Thermometer, &c.	IX.	S. 133
Collins, E. W.		
Lungs, Accessory Lobes.	XXV.	S. 329
Conyngham, Rt. Hon. William.		
Saguntum, Theatre of.	III.	A. 21
Appendix to do.	"	A. 47
Cooke, John.		
Steam Engine.	III.	S. 113
Navigation, Instrument for.	"	S. 117
Conveying Intelligence, &c.	VI.	S. 77
Cooke, Thomas Lalor.		
Barnaan Cuilawn.	XIV.	A. 31
Cooper, Edward J., LL.D.		
Comets.	XXI.	S. 114
Crawford, Rev. Francis, B.A.		
Hebræo-Celtic Affinities.	XXII.	A. 371
Crofton, Denis, B.A.		
Bhagavad Gitâ.	XXIV.	P.L. 3
Crosthwaite, John.		
Pendulums.	II.	S. 7
Crumpe, Samuel, M.D.		
Worms. (In Intestines.)]	VI.	S. 57
Cremona, L., LL.D., F.R.S.		
Geometrical Transformation.	XXVIII.	S. 279
Cunningham, D. J., M.D.		
Lumbar Curve in Man and the Apes.	Cunningham Memoirs	No. II.

Author's Name and Title of Paper.	Volume.	Series and Page.
D'Alton, John.		
Ireland, Ancient History, &c., of.	XVI.	A. 8
Davy, Edmund, F.R.S.		
Fulminating Silver.	XVII.	S. 265
Carbon and Hydrogen, Gaseous Compound of.	XVIII.	S. 80
Davy, Edmund W., M.D.		
Nitroprussides (of Opium).	XXVIII.	S. 471
Davy, Edmund W., M.D. (and Sir Charles A. Cameron).		
Selenium.	XXVIII.	S. 187
Dawson, Rev. H. R., M.A.		
Ireland, Medals, &c.	XIX.	P.L. 1
Dickson, Stephen, M.D.		
Pemphigus.	I.	S. 47
National Education.	IV.	P.L. 15
Dillon, Viscount (and R. Ouseley).		
Ancient Irish Instrument.	IV.	A. 33
Doberck, W., Ph.D.		
Comet of 1845.	XXV.	S. 459
μ^2 Boötis.	,,	S. 481
Binary Stars, &c.	,,	S. 581
,, ,,	XXVI.	S. 1
ω Leonis.	,,	S. 165
Donovan, Michael.		
Galvanometers.	XXII.	S. 233
Galvanometric Deflections.	XXIII.	S. 1
Sun-dial.	XXIV.	S. 17
Downes, George, M.A.		
Ireland, Norse Geography of.	XIX.	A. 84
Downing, Samuel, LL.D.		
Haarlem Lake.	XXIII.	S. 449
Draper, H. N. (and R. J. Moss).		
Selenium.	XXVI.	S. 231

Author's Name and Title of Paper.	Volume.	Series and Page.
Dreyer, J. L. E.		
Herschel's Catalogue.	XXVI.	S. 381
Drummond, Rev. W. H.		
Oppian.	XIII.	P. L. 8
Oppian, Cynegetics of.	,,	P. L. 47
Ossian.	XVI.	P. L. 8
Drury, Captain O'Brien.		
Magnetic Fluid.	II.	S. 119
Dunn, John.		
Leo Africanus.	XV.	A. 97
Dunne, John.		
America, Native Tribes of North.	IX.	P. L. 101
Dunraven, Earl of, F. R. S.		
Ardagh Chalice.	XXIV.	A. 433
Edgeworth, Henry.		
Weather.	VII.	S. 317
Edgeworth, Richard Lovell, F. R. S.		
Wheel Carriages.	II.	S. 78
Conveying Intelligence. (Telegraph.)	VI.	S. 95
Supplement to do.	,,	S. 313
Edgeworth, William, C. E.		
Roscommon, Map of.	XIV.	S. 63
Egan, Thomas, M. D.		
Gravelly and Calculus Concretions.	X.	S. 229
Ferguson, Sir Samuel, Q. C., LL. D.		
Kiliee or Boomerang.	XIX.	P. L. 22
Senchus Mor.	XXIV.	P. L. 83
Ogham.	XXVII.	P. L. & A. 47
Sepulchral Cellæ.	,,	P. L. & A. 57
Patrician Documents.	,,	P. L. & A. 67
Fisher, Joseph, M. D.		
Whitehaven Coal Works.	V.	S. 266
Foot, F. J., M. A., C. E.		
Burren, Plants of.	XXIV.	S. 143
Foster, Robert J., B. A.		
Crystals.	XXIII.	S. 489

Author's Name and Title of Paper.	Volume.	Series and Page.
Garnett, Thomas, M. D.		
Rain Gauges.	V.	S. 257
Giesecke, Sir Charles Lewis.		
Norwegian Settlements in Greenland.	XIV.	A. 47
Graves, Right Rev. Charles, D. D.		
Monuments.	XXIV.	A. 421
Ogam Inscription.	XXVII.	P.L.& A. 31
Croix Gammée or Swastika.	"	P.L.& A. 41
Graves, Robert J., M. D.		
{ Horse, Hock-joint of. Delphinus diodon. }	XVI.	S. 85
Graydon, Rev. George, LL. B.		
Fish in Stone at Monte Bolca.	V.	S. 281
Green, Thomas.		
Urn found at Kilranelagh.	I.	A. 161
Gwynn, Rev. John, D. D.		
Syriac MS.	XXVII.	P.L. & A. 269
Haliday, Charles.		
Dublin, Ancient Name of.	XXII.	P. L. 437
Hamilton, Rev. George.		
Medea of Seneca.	XIV.	A. 3
Hamilton, Rev. Hugh, D. D., F. R. S.		
Barometers.	V.	S. 117
Fixed Caustic Alkaline Salts.	"	S. 319
Hamilton, Rev. James, M. A.		
Plautus, Punic Passage in.	XVIII.	P. L. 3
Hamilton, Rev. James A., D. D.		
Right Ascension, &c.	XI.	S. 25
Parhelia.	I.	S. 23
Barometer.	V.	S. 95
Longitude.	VI.	S. 193
Micrometer Measures.	X.	S. 109
Earth's Magnitude.	XI.	S. 13
Hamilton, Rev. William, D. D., F. T. C. D.		
Temperature of the Earth's Surface.	II.	S. 143
Climate of Ireland.	VI.	S. 27

Author's Name and Title of Paper.	Volume.	Series and Page.
Hamilton, Sir William Rowan, LL. D.		
Rays, Theory of Systems of.	XV.	S. 69
Supplement to do.	XVI.	S. 4
Analysis, Principle of.	,,	S. 63
Second Supplement to Systems of Rays.	,,	S. 93
Analysis, Note to Principle of.	,,	S. 129
Third Supplement to Systems of Rays.	XVII.	S. 1
Zero, Functions of.	,,	S. 235
Conjugate Functions.	,,	S. 293
Abel, Argument of [Equations].	XVIII.	S. 171
Fluctuating Functions.	XIX.	S. 264
Equations of the Fifth Degree.	,,	S. 329
Quaternions.	XXI.	S. 199
Hardiman, James.		
Ireland, Maps, Charts, and Plans relating to.	XIV.	A. 57
Ancient Irish Deeds, &c.	XV.	A. 3
Harding, Thomas.		
Needle, Variation of the.	IV.	S. 107
Hardinge, W. H.		
Surveys in Ireland.	XXIV.	A. 3
,, ,,	,,	A. 265
Census Returns of Ireland, MS.	,,	A. 317
Petty, Essay by Sir W.	,,	A. 371
Civil War, 1641–1652, in Ireland.	,,	A. 379
Hardy, Francis.		
Agamemnon of Æschylus.	II.	P. L. 55
Hart, Sir Andrew Searle, LL.D., Vice-Provost, T. C. D.		
Cubic Curves.	XXV.	S. 559
Plane Curves of the Third Order.	XXVI.	S. 449
Hart, Henry Chichester, B. A.		
Botany of Sinai.	XXVIII.	S. 373
Harvey, R. J., M. D.		
Intertubular Tissue of the Mammalian Testis.	XXVI.	S. 31
Harvey, W. H., M. D.		
Australia, Marine Botany of West.	XXII.	S. 525

Authors of Papers published in the Transactions, &c., of the Royal Irish Academy.

Author's Name and Title of Paper.	Volume.	Series and Page.
Haughton, Rev. Samuel, M.D., F.R.S., S.F.T.C.D.		
Equilibrium and Motion of Solid and Fluid Bodies.	XXI.	S. 151
Elastic Media.	XXII.	S. 97
Rotation.	,,	S. 139
Friction Sledge.	,,	S. 219
Fluidity of Earth and Planets.	,,	S. 251
Tidal Observations.	XXIII.	S. 85
Tide at Cahirciveen.	XXIV.	S. 195
Granites of Co. Donegal.	,,	S. 213
Tides of Castletownsend.	,,	S. 253
,, ,, Bunown.	,,	S. 265
,, ,, Rathmullen.	,,	S. 274
,, ,, Portrush.	,,	S. 284
,, ,, Cushendall.	,,	S. 294
,, ,, Donaghadee.	,,	S. 303
,, ,, Kingstown.	,,	S. 313
,, ,, Courtown.	,,	S. 323
,, ,, Dunmore.	,,	S. 335
Sun Heat.	XXVIII.	S. 47
Sun Heat, Terrestrial Radiation, &c.	Cunningham Memoirs.	No. III.
Haughton, Rev. Samuel, F.R.S. (and E. Hull).		
Lavas of Vesuvius.	XXVI.	S. 49
Haughton, Rev. Samuel, F.R.S. (and J. B. Jukes).		
Palæozoic Rocks.	XXIII.	S. 563
Hennessy, Henry, F.R.S.		
Temperature, Distribution of.	XXIV.	S. 871
Hinckes, Rev. —		
Hoby, Papers of Sir P.	VI.	A. 7
Hincks, Rev. Edward, D.D., F.T.C.D.		
Variable, Functions of the Principal.	XIII.	S. 115
Egyptian Years and Cycles.	XVIII.	P.L. 153
Rosetta Stone.	XIX.	P.L. 72
Egyptian Stele or Tablet.	,,	P.L. 49
Manetho, Eighteenth Dynasty of.	XXI.	P.L. 1
Egyptian Monuments, Names on.	,,	P.L. 105
Persepolitan Writing.	,,	P.L. 114
Hieroglyphic Alphabet.	,,	P.L. 132
Persepolitan Writing and Babylonian, &c.	,,	P.L. 233
Cuneatic Characters, Persepolitan Writing and Numerals in.	,,	P.L. 249
Khorsabad Inscriptions.	XXII.	P.L. 3
Assyrio-Babylonian Phonetic Characters.	,,	A. 293
Assyrian Mythology.	,,	A. 405
Egyptian Dynasty, 26th and 27th.	,,	P.L. 423
Assyrian Pronouns.	XXIII.	P.L. 3
Assyrio-Babylonian Measures of Time.	XXIV.	P.L. 13
Egyptian Years and Months.	,,	P.L. 25

Author's Name and Title of Paper.	Volume.	Series and Page.
Houston, John.		
Chameleon.	XV.	S. 177
Huxley, T. H., F. R. S. (and E. P. Wright).		
Fossil Vertebrata from Jarrow Colliery.	XXIV.	S. 851
Hull, E., LL. D., F. R. S. (and Rev. Dr. Haughton).		
Lavas of Vesuvius.	XXVI.	S. 49
Irwin, Eyles.		
Chess.	V.	A. 53
James, Samuel.		
Polygon of Seventeen Sides.	XIII.	S. 175
Jellett, Rev. J. H., D. D., Provost, T. C. D.		
Elastic Solid.	XXII.	S. 179
Inextensible Surfaces.	,,	S. 343
Chemical Optics.	XXV.	S. 371
Jukes, J. Beete, F. R. S. (and Rev. Dr. Haughton).		
Palæozoic Rocks.	XXIII.	S. 563
Kane, Sir Robert, LL. D., F. R. S.		
Pyroacetic Spirit.	XVIII.	S. 99
Essential Oils.	,,	S. 135
Ammonia.	XIX.	S. 1
,, ,,	XVII.	S. 423
Kearney, Rev. Michael, D. D.		
Alphabetic Writing.	III.	P. L. 5
Painting, Power of.	VI.	S. 87
Kenney, Rev. Edward.		
Sulphureous Medicinal Water.	V.	S. 83
Kiernan, George.		
Air Pump.	XIII.	S. 109
Kiernan, Miss.		
Influence of Fictitious History.	XII.	P. L. 61

Author's Name and Title of Paper.	Volume.	Series and Page.
Kinahan, John Robert, M. D.		
Oldhamia.	XXIII.	S. 547
Crangon and Galathea.	XXIV.	S. 45
King, Samuel Croker.		
Trepanning.	IV.	S. 119
King, W., D. Sc.		
Palliobranchiata, The Test of.	XXIV.	S. 439
Rock-jointing.	XXV.	S. 605
Kirwan, Richard, LL. D., F. R. S.		
Barometer.	II.	S. 43
Coal Mines.	,,	S. 157
Bleaching &c. Linen Yarn, Substances used in.	III.	S. 3
Coal Mines.	,,	S. 49
Neutral Salts.	IV.	S. 3
Meteorological Observations.	V.	S. 3
,, Tables.	,,	S. 31
Weather in Dublin, 1791-1793.	,,	S. 39
Igneous Origin of Stony Substances.	,,	S. 51
Manures.	,,	S. 129
Meteorological Observations.	,,	S. 227
Earth found near Stronthian.	,,	S. 243
Carbon in Bitumens, &c.	VI.	S. 141
Weather in Dublin.	,,	S. 169
Magnetism.	,,	S. 177
Globe, &c., Primitive State of the.	,,	S. 233
Weather in 1796.	,,	S. 309
,, ,, 1797.	,,	S. 435
Neutral Salts.	VII.	S. 163
Liberty, Human.	,,	S. 305
Weather in 1798.	,,	S. 316
,, ,, 1799.	,,	S. 359
Huttonian Theory of the Earth.	VIII.	S. 3
Globe, Primitive State of the.	,,	S. 29
Declivities of Mountains.	,,	S. 35
Chemical and Mineralogical Nomenclature.	,,	S. 53
Human Understanding, &c.	,,	S. 157
Weather in 1800.	,,	S. 203
Atmosphere.	,,	S. 269
Weather in 1801.	,,	S. 509
,, ,, 1802.	X.	S. 31
,, ,, 1803.	,,	S. 33
Primeval Language of Mankind.	,,	P. L. 121
Space and Duration.	,,	S. 189
Weather in 1804.	,,	S. 189
Duration, Time and Eternity.	,,	S. 215
Happiness.	XI.	P. L. 1
Polytheism, &c.	,,	A. 1
Anemometer.	,,	S. 61

Author's Name and Title of Paper.	Volume.	Series and Page.
Knox, Hon. George, LL. D.		
Calp, Observations on.	VIII.	S. 207
Knox, George James, M. A.		
Electric Force, &c.	XIX.	S. 147
,, ,, (Supplementary Researches).	,,	S. 257
Knox, George James, M. A. (and Rev. Thomas Knox).		
Fluorine, Insulation of.	XVIII.	S. 127
Lardner, Rev. D., M. A.		
Algebraic Surfaces.	XIV.	S. 69
Ellipsoids, Hyperboloids, &c.	,,	S. 75
Ledwich, Rev. Edward, LL. B.		
Homer.	IV.	P. L. 3
Ireland, Romantic History of.	,,	A. 21
Lennon, William Caulfield.		
Letchemy, Image of.	VI.	A. 3
Little, Rev. James.		
Air Pump.	VI.	S. 319
Reflecting Level or Artificial Horizon.	VIII.	S. 77
Inscription in Kilcummin.	IX.	A. 3
Specula of Reflecting Telescopes.	X.	S. 119
Quadrant, Hadley's.	XII.	S. 3
Lloyd, Rev. Humphrey, D. D., F. R. S.		
Light passing along Biaxal Crystals.	XVII.	S. 145
Magnetism, Terrestrial.	,,	S. 159
Rays of Light.	,,	S. 171
Dip.	,,	S. 449
Magnets, Permanent.	XIX.	S. 159
Supplement to ditto.	,,	S. 249
Earth's Magnetic Force.	XXI.	S. 1
Observations, Results of (Atmospheric Pressure, &c.).	XXII.	S. 61
Magnetical Observatory, Observations at the.	,,	S. 74
Meteorology of Ireland.	,,	S. 411
Earth's Magnetic Force.	XXIII.	S. 535
Light Reflected, &c., by Thin Plates.	XXIV.	S. 3
Earth Currents.	,,	S. 115
Temperature at the Earth's Surface.	XXVI.	S. 465

Author's Name and Title of Paper.	Volume.	Series and Page.
Macalister, Alexander, M. A., M. D., F. R. S.		
Muscular Anomalies.	XXV.	S. 1
Chlamydophorus truncatus.	"	S. 219
Insectivorous Edentates.	"	S. 491
Macartney, James, M. D.		
Spine, Curvatures of the.	XIII.	S. 13
Brain in the Chimpanzee and Human Idiot, &c.	XIX.	S. 322
Mac Carthy, Rev. Bartholomew, D. D.		
Stowe Missal.	XXVII.	P. L. A. 135
McCay, W. S., M. A., F. T. C. D.		
Circles related to a Triangle.	XXVIII.	S. 453
MacCullagh, James, LL. D., F. T. C. D.		
Light, Double Refraction of.	XVI.	S. 65
Conic Sections.	"	S. 79
Attraction of Spheroids.	XVII.	S. 237
Wave Theory of Light.	"	S. 241
Refraction of Quartz.	"	S. 461
Crystalline Reflexion and Refraction.	XVIII.	S. 31
A Dynamical Theory of ditto.	XXI.	S. 17
McDonnell, Robert, M. D., F. R. S.		
"Lateral Line" in Fishes.	XXIV.	S. 161
M'Guire [or M'Gwire], Rev. Arthur.		
Barometer.	I.	S. 41
"	IV.	S. 141
Mackay, James Townsend, LL. D.		
Ireland, Indigenous Plants of.	XIV.	S. 103
Ireland, An Indigenous Heath in Connemara.	XVI.	S. 127
Mackintosh, Henry William, M. A.		
Diadematidæ.	XXV.	S. 519
Acanthology of the Desmosticha.	XXVI.	S. 475
" " " Part II.	XXVIII.	S. 241
" " " Part III.	"	S. 259
McNab, W. R., M. D.		
Plants, Movements of Water in. Part I.	XXV.	S. 343
" " " Part II.	"	S. 567

Author's Name and Title of Paper.	Volume.	Series and Page.
McSweeny, Joseph, M. D.		
Climate of Ireland.	XVII.	S. 179
Malet, John Christian, M. A., F. R. S.		
Integrals, Hyper-elliptic.	XXV.	S. 279
Algebraic Equation, Functions of an.	,,	S. 337
Negative Pedal of a central Conic.	XXVI.	S. 431
Algebraic Equation, Root of an.	,,	S. 453
Quadric, Surface derived from.	XXVI.	S. 456
Integrals, Certain Definite.	XXVIII.	S. 197
Geometrical Theorems.	,,	S. 759
Mallet, J. W., B. A., Ph. D.		
Antiquities, Chemical Examination of.	XXII.	S. 313
Mallet, Robert, F. R. S.		
Trap Rocks.	XVIII.	S. 75
Earthquakes.	XXI.	S. 51
,,	,,	S. 107
,,	XXII.	S. 397
Artillery.	XXIII.	S. 141
Mant, Right Rev. R., D. D.		
Rainbow.	XV.	S. 175
Marshall, J. D.		
Rathlin.	XVII.	A. 37
Mason, H. J. Monck, LL D.		
Cherubim.	XIII.	A. 81
Brass Medal.	,,	S. 129
Gospels, Latin Copy of the.	,,	S. 175
Red Book of the Exchequer.	,,	S. 181
Meagher, Thomas.		
Surveying.	V.	S. 325
Meredith, Thomas, B. A		
Cubic Equations.	VII.	S. 69
Miller, Rev. George, D. D., F. T. C. D.		
Sublime, The.	V.	P. L. 17
Certainty and Probability.	,,	S. 199
Electric Attraction and Repulsion.	VII.	S. 139

Author's Name and Title of Paper.	Volume.	Series and Page.
Mitchel, G., M.B.		
Menacane.	X.	S. 11
Molesworth, William.		
Antique Golden Instruments.	IV.	A. 37
Mooney, D., B.A.		
Radicals in Equations.	VI.	S. 221
Moore, David, Ph.D.		
Diœcious Plants (Morphology of Sexes in).	XXIV.	S. 629
Moss, R. J. (and H. N. Draper).		
Selenium.	XXVI.	S. 281
Murray, Rev. Richard, D.D.		
Halley's Series—Logarithms.	IX.	S. 3
Napier, Hon. George.		
Gunpowder.	II.	S. 97
Nicolls, William, B.A.		
Elliptic Functions, Expansion of.	XXVIII.	S. 267
Nimmo, Alexander, C.E.		
Geology applied to Navigation.	XIV.	S. 39
O'Flaherty, John T., B.A.		
Aran, Southern Islands of.	XIV.	A. 79
O'Flanagan, Theophilus.		
Ogham Character.	I.	A. 3
O'Halloran, Sylvester.		
ꞟOSꞟ-CAꞟA.	II.	A. 7
Cataract.	,,	S. 121
Trephine.	IV.	S. 151
O'Reilly, Edward.		
Brehon Laws.	XIV.	A. 141
Ossian.	XVI.	P.L. 163

Author's Name and Title of Paper.	Volume.	Series and Page.
O'Reilly, Joseph P., C. E.		
Lines of Direction on Earth's Surface.	XXVI.	S. 611
Basalts, Prismatic Forms in.	,,	S. 641
Earthquakes.	XXVIII.	S. 285
,,	,,	S. 489
Otway, Rev. Cæsar.		
Vitrified Fort.	XIII.	A. 123
Ouseley, Ralph.		
Moving of a Bog.	II.	S. 3
Trumpets found in Co. Limerick.	,	A. 3
Plates of Gold found in Ireland.	VI.	A. 31
Ouseley, Ralph (and Viscount Dillon).		
Ancient Irish Instrument.	IV.	A. 33
Patterson, Robert.		
Cydippe pomiformis.	XIX.	S. 91
Bolina hibernica.		S. 154
Patterson [or Paterson], William, M. D.		
Weather in Londonderry in 1799.	VII.	S. 357
Meteorological Observations in 1800.	VIII.	S. 245
Perceval, Rev. Charles.		
Vision, Abnormal.	IV.	S. 97
Perceval, Robert.		
Chemical Communications.	IV.	S. 85
Lamp Furnace.	,,	S. 91
Lead, Solution of, by Lime.	V.	S. 89
Chalybeate Preparations.	XI.	S. 1
Petrie, George, LL. D.		
Four Masters.	XVI.	A. 381
Mac Firbis, Book of.	XVIII.	A. 3
Domnach Airgid.	,,	A. 14
Tara Hill.	,,	A. 25
Eccles. Architecture of Ireland. (Round Towers.)	XX.	A. 1
Phelan, William, B. A.		
Polite Literature, Scientific and.	XII.	P. L. 3
Pouget, Monsieur.		
Alcohol. L'Alliage de l'Alkool avec l'Eau.	III.	S. 157

Author's Name and Title of Paper.	Volume.	Series and Page.
Presten, William.		
Lyric Poetry.	I.	P. L. 57
Moon, Ode to the.	,,	P. L. 75
Ridicule, Wit, and Humour. Part I.	II.	P. L. 69
,, ,, ,, Part II.	,,	P. L. 77
Tragedy.	VI.	P. L. 13
,,	VIII.	P. L. 3
German Writers.	,,	P. L. 15
Credulity.	IX.	S. 47
Ancient Amatory Writers.	,,	P. L. 189
Ireland, Natural Advantages of.	,,	S. 171
Polite Arts.	X.	P. L. 3
Reeves, Right Rev. William, D. D.		
Céli-dé (Culdees).	XXIV.	A. 119
Bell of St. Patrick.	XXVII.	P.L.&A. 1
Renny, Henry Laus.		
Barometric Formula.	XXIII.	S. 437
,, ,,	,,	S. 623
Richardson, Rev. William, D. D., F. T. C. D.		
Whynn Dykes.	IX.	S. 21
Hutton's Theory of the Earth.	,,	S. 429
Volcanic Theory.	X.	S. 35
Grasses, Useful.	XI.	S. 87
Roberts, William R. Westropp, M. A., F. T. C. D.		
Integrals, Hyper-Elliptic.	XXVIII.	S. 31
Roberts, Ralph Augustus, M. A.		
Plane Curves.	XXVIII.	S. 709
Robinson, Rev. Thomas Romney, D. D., F. R. S.		
Furnaces for High Heats.	XIII.	S. 63
Heat by Combustion of Oxygen, &c.	,,	S. 93
Electricity, Voltaic.	,,	S. 121
Equatorial Instruments.	XV.	S. 3
Air Pump.	,,	S. 13
Astronomical Circle.	,,	S. 21
Armagh Observatory, Longitude of.	XIX.	S. 110
Longitude of Armagh and Dublin Observatories.	,,	S. 121
Refraction.	,,	S. 177
Heat, &c.	XXI.	S. 297
Metallic Conductors.	XXII.	S. 1
Anemometer.	,,	S. 155
Electro-Magnet.	,,	S. 291
,, ,, Part II.	,,	S. 499
,, ,, Part III.	XXIII.	S. 501

Author's Name and Title of Paper.	Volume.	Series and Page.
Salmon, Rev. George, D. D., F. R. S.		
Degree of Reciprocal Surface, &c.	XXIII.	S. 461
Sankey, William S.		
Writing from Right to Left, &c.	XIII.	A. 151
Scurry, James.		
Irish Language.	XV.	P. L. 8
Shee, Sir George, Bart.		
Ships.	VI.	S. 15
Smith, Aquilla, M. D.		
Coins of Edward IV.	XIX.	A. 1
,, Henry VII.	,,	S. 50
Stack, Rev. John, D. D., F. T. C. D.		
Sight, Theory of Defective.	II.	S. 27
Stack, Rev. Richard, D. D., F. T. C. D.		
Sublimity of Writing.	I.	P. L. 8
Falstaff.	II.	P. L. 8
Stevelly, J., LL. D.		
Barometer.	XVII.	S. 471
Stokes, Whitley, LL. D.		
Œngus, Calendar of.	Irish MS. Series, Vol. I., Pt. i.	
Stoney, Bindon B., M. A., F. R. S.		
Girders.	XXIV.	S. 189
Lap Joints.	XXV.	S. 451
Stoney, George Johnstone, M. A., F. R. S.		
Calc Spar.	XXIV.	S. 81
Waves.	,,	S. 87
Subrine, Monsieur.		
Glan, Mines of.	VIII.	S. 141
Swift, Theophilus.		
Rhyme.	IX.	P. L. 8
Sylvester, J. J., LL. D., F. R. S.		
Imaginary Roots in Algebraic Equations.	XXIV.	S. 247

Author's Name and Title of Paper.	Volume.	Series and Page.
Tarleten, Francis Alexander, LL. D., F. T. C. D.		
Chemical Equilibrium.	XXVIII.	S. 1
Rotation.	,,	,, 185
Taylor, Colonel Meadows.		
Cairns, Cromlechs, &c.	XXIV.	A. 329
Cairns on Twizell Moor, &c.	,,	,, 363
Taylor, Thomas, M. D.		
Mineral Substance discovered at Killiney.	XIII.	S. 3
Templeton, John, A. L. S.		
Plants, Naturalization of.	VIII.	S. 111
Thompson, William.		
Hare, The Irish.	XVIII.	S. 260
Tichborne, Charles, R. C., Ph. D.		
Terebenes, Colophonine.	XXIV.	S. 579
Todd, James H., D. D., S. F. T. C. D.		
Table-book found in a Bog.	XXI.	A. 3
Missal, Ancient Irish.	XXIII.	A. 3
Tullamore, Lord.		
Turf Ashes.	VIII.	S. 135
Ussher, Rev. Henry, D. D.		
Observatory, Trinity College, Dublin.	I.	S. 3
Eclipse, March 18th, 1783.	,,	S. 25
Transit Instrument.	II.	S. 13
Small Stars, Discerning in Daytime.	,,	S. 37
Eclipse of the Sun.	,,	S. 187
Aurora Borealis.	,,	S. 189
Saturn's Ring.	III.	S. 135
Parhelia, Feb. 25th, 1790.	,,	S. 143
Vallancey, General Charles, LL. D.		
Anglo-Saxon Colony, Co. Wexford.	II.	A. 19
Lusk Church, Monument in.	,,	A. 57
Silver Medal dug up in Dungannon.	,,	A. 69

Author's Name and Title of Paper.	Volume.	Series and Page.
Vince, Rev. Samuel, M. A.		
Binomial Theorem.	XII.	S. 31
Numbers, Properties of.	,,	S. 34
Water-spout.	,,	S. 39
Walker, Joseph Cooper.		
Stage, The Irish.	II.	A. 75
Gardening in Ireland.	IV.	A. 8
Romantic Fabling in Ireland.	X.	A. 1
Wall, Rev. Charles William, D.D., Vice-Provost, T. C. D.		
Sanscrit Writing, &c.	XVIII.	P. L. 65
Cuneiform Writing.	XXI.	P. L. 257
Wallace, Thomas, B. A.		
English Prose.	VI.	P. L. 41
Wallace, William, M.R.C.S.I.		
Skeleton, Changes in, during Life.	XIII.	S. 129 S. 153
Walsh, Rev. R.		
Hebrew Medal.	XIII.	A. 161
Whitelaw, Rev. James.		
Areas of Countries.	VI.	S. 65
Wilde, Sir W. R., M. D.		
Mias Tighearnain.	XXI.	A. 16
Wills, Rev. James, D. D.		
Human Understanding.	XIX.	P. L. 78
Association, Accidental.	XXI.	P. L. 87
,, Voluntary.	XXII.	P. L. 73
Dreams.	XXIII.	P. L. 11
Windle, Bertram C. A., M. D.		
Mammalian Muscular System.	XXVIII.	S. 211
Wood, Thomas, M. D.		
Annals of Ireland.	XIII.	A. 8
Wright, E. Perceval, M. D. (and T. H. Huxley).		
Fossil Vertebrata from Jarrow Colliery.	XXIV.	S. 351

Author's Name and Title of Paper.	Volume.	Series and Page.
Wright, E. Perceval, M. A., M. D.		
Flora of the Seychelles.	XXIV.	S. 571
On Chlorochytrium.	XXVI.	S. 355
Rhizophydium—Ectocarpus.	,,	S. 369
Griffithsia setacea.	,,	S. 491
Tetraspores in Polysiphonia.	,,	S. 511
Sponge, New Genus and Species.	XXVIII.	S. 13
Blodgettia confervoïdes.	,,	S. 21
Alga, on Rhizoclonium casparyi.	,,	S. 27
Wright, Joseph (and F. P. Balkwill).		
Foraminifera, Irish.	XXVIII.	S. 317
Young, Rev. John, M. A.		
Vicar's Cairn in Co. Armagh.	VIII.	A. 3
Young, J. R.		
Euler, Theorem of.	XXI.	S. 311
Young, Rev. Matthew, D. D., S. F. T. C. D.		
Curves.	I.	S. 31
Gaelic Poems.	,,	A. 43
Roots, Cubic, &c.	,,	S. 59
Spouting Fluids.	II.	S. 31
Gothic Arch.	III.	S. 55
Spherical Errors (in Telescope Glasses).	IV.	S. 171
Equinoxes.	VII.	S. 3
Velocity (of Fluids, &c.).	,,	S. 53
Testimony.	,,	S. 79
Primitive Colorific Rays, &c.	,,	S. 119

PART II.

LIST OF PAPERS

PUBLISHED IN THE

"TRANSACTIONS," "CUNNINGHAM MEMOIRS," AND "IRISH MANUSCRIPT SERIES,"

OF THE

Royal Irish Academy,

FROM 1786-1886.

ARRANGED IN ALPHABETICAL ORDER.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Abel.			
On the Argument of Abel respecting the Impossibility of Expressing a Root of any General Equation above the Fourth Degree by any Finite Combination of Radicals and Rational Functions.	Sir W. R. HAMILTON.	S. XVIII. 171	May 22, 1837.
Agamemnon of Æschylus.			
Thoughts on some particular Passages in the Agamemnon of Æschylus.	F. HARDY.	P.L. II. 55	Dec. 20, 1788.
Air-Pump.			
Description of a New Air-Pump, with an investigation of the limit of Exhausting Power in various constructions of that Instrument.	T. R. ROBINSON.	S. XV. 13	Oct. 24, 1825.
Description of an Air-Pump of a new Construction, with an account of its Performances and of some Experiments and Observations tending to ascertain the circumstances on which the Perfection of that Machine depends, and to render its Theory more complete.	JAMES LITTLE.	S. VI. 319	Dec. 17, 1796.
Description of a New Air-Pump.	G. KIERNAN.	S. XIII. 109	Feb. 23, 1818.
Alcohol—L'Alliage de l'Alkool avec l'Eau.			
Lettre de Mons. Pouget à Mons Kirwan, F.R.S., sur les Condensations Produites par l'Alliage de l'Alkool avec l'Eau.	MONS. POUGET.	S. III. 157	June 6, 1789.
Alga.			
On Australian Algæ.	W. H. HARVEY.	S. XXII. 525	Dec. 11, 1855.
On a New Species of Parasitic Green Alga, belonging to the Genus Chlorochytrium of Cohn.	E. P. WRIGHT.	S. XXVI. 355	Feb. 12, 1877.
On a New Genus and Species of Unicellular Algæ living on the Filaments of Rhizoclonium casparyi.	E. P. WRIGHT.	S. XXVIII. 27	Nov. 10, 1879.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Algebraic Equations.			
On a Proof that every Algebraic Equation has a Root.	J. C. MALET.	S. XXVI. 453	May 12, 1878.
On Certain Symmetric Functions of an Algebraic Equation.	J. C. MALET.	S. XXV. 337	May 25, 1874.
On an Elementary Proof of Sir Isaac Newton's hitherto undemonstrated Rule given in the "Arithmetica Universalis" for the Discovery of Imaginary Roots in Algebraical Equations.	J. J. SYLVESTER.	S. XXIV. 247	June 26, 1865.
Algebraic Surfaces.			
On the General Properties of Algebraic Surfaces.	D. LARDNER.	S. XIV. 69	May 24, 1824.
Alphabetic Writing.			
Thoughts on the History of Alphabetic Writing.	M. KEARNEY.	P.L. III. 5	Dec. 12, 1789.
An Essay on the Invention of Alphabetic Writing.	A. CARMICHAEL.	P.L. XII. 168	May 8, 1815.
Alum.			
On a New Variety of Alum.	J. APJOHN.	S. XVIII. 157	April 10, 1837.
America.			
Notices Relative to Some of the Native Tribes of North America.	J. DUNNE.	P.L. IX. 101	May 3, 1802.
Ammonia.			
Researches on the Action of Ammonia on the Chlorides and Oxides of Mercury.	Sir R. KANE.	S. XVII. 423	Nov. 30, Dec. 28, 1835.
Researches on the Nature and Constitution of the Compounds of Ammonia.	Sir R. KANE.	S. XIX. 1	April 9, May 14, May 28, 1838.
Analysis.			
On the Error of a received Principle of Analysis respecting Functions which Vanish with their Variables.	Sir W. R. HAMILTON.	S. XVI. 63	Jan. 25, 1830.
Note to above.	Sir W. R. HAMILTON.	S. XVI. 129	April 18, 1831.
Ancient Amatory Writers.			
Some Considerations on the History of Ancient Amatory Writers, and the comparative Merits of the Three great Roman Elegiac Poets—Ovid, Tibullus, and Propertius.	W. PRESTON.	P.L. IX. 139	*
Ancient Ireland.			
On the Norse Geography of Ancient Ireland.	G. DOWNES.	A. XIX. 84	April 26, 1841.
Ancient Irish Deeds			
Ancient Irish Deeds and Writings chiefly relating to Landed Property, from the 12th to the 17th Century, with Translations, Notes, and a Preliminary Essay.	J. HARDIMAN.	A. XV. 3	Feb. 27, 1826.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Ancient Irish Instrument.			
Description of an Ancient Irish Instrument, presented to the Royal Irish Academy by the Right Hon. Lord Viscount Dillon, extracted from His Lordship's Letter on the Subject, and from an Account of the same Instrument by Ralph Ouseley, Esq.	Viscount DILLON, R. OUSELEY.	A. IV. 33	Dec. 17, 1791.
Anemometer.			
A Description of a New Anemometer.	R. KIRWAN.	S. XI. 61	—
Description of an Improved Anemometer for Registering the Direction of the Wind and the Space which it Traverses in given intervals of Time.	T. R. ROBINSON.	S. XXII. 155	June 10, 1850.
Anglo-Saxon Colony.			
Memoir of the Languages, Manners, and Customs of an Anglo-Saxon Colony, settled in the Baronies of Forth and Bargie, in the Co. of Wexford, Ireland, in 1167, 1168, and 1169.	C. VALLANCEY.	A. II. 19	Dec. 27, 1788.
Annals of Ireland.			
On the Mixture of Fable and Fact in the Early Annals of Ireland, and on the best Mode of Ascertaining what degree of Credit these Ancient Documents are justly entitled to.	T. WOOD.	A. XIII. 3	July 8, 1816.
Annual Parallax.			
An Account of Observations made at the Observatory of Trinity College, Dublin, with an Astronomical Circle 8 feet in Diameter, which appear to point out an Annual Parallax in certain Fixed Stars; also a Catalogue of North Polar Distances, and a Comparison thereof with those of the same Stars obtained by other Instruments, and by the same Instrument at a former period.	J. BRINKLEY.	S. XII. 33	May 9, 1814.
Appendix to the Account of Observations made at the Observatory of Trinity College, Dublin, which appear to Point out an Annual Parallax in certain Fixed Stars, &c.	J. BRINKLEY.	S. XII. 119	March 6, 1815.
Antique Golden Instruments.			
A Letter from W. Molesworth, to R. Perceval, M.D., concerning some Antique Golden Instruments found in a Bog in the Co. Armagh.	W. MOLESWORTH.	A. IV. 37	Jan. 21, 1792.
Antiquities.			
Report on the Chemical Examination of Antiquities from the Museum of the Royal Irish Academy.	J. W. MALLET.	S. XXII. 313	April 11, 1853.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Apparatus.			
Description of an Apparatus for Impregnating Water and other Substances strongly with Carbonic Acid Gas.	G. AUSTIN.	S. VIII. 131	Nov. 16, 1799.
Description of an Apparatus for Transferring Gases over Water or Mercury, &c.	G. AUSTIN.	S. X. 3	July 4, 1803.
Apparent Distance of Moon.			
Investigations relative to the Problem for Clearing the apparent Distance of the Moon from the Sun or a Star from the Effects of Parallax and Refraction, and an Easy and Concise Method pointed out.	J. BRINKLEY.	S. XI. 69	March 7, 1808.
Aran.			
A Sketch of the History and Antiquities of the Southern Islands of Aran, lying off the West Coast of Ireland; with Observations on the Religion of the Celtic Nations, Pagan Monuments of the Early Irish, Druidic Rites, &c.	J. T. O'FLAHERTY.	A. XIV. 79	Jan. 26, 1824.
Arbitrary Constant Quantities.			
Observations relative to the Form of the Arbitrary Constant Quantities that occur in the Integration of certain Differential Equations, and also in the Integration of a certain Equation of Finite Differences.	J. BRINKLEY.	S. XIII. 53	June 23, 1817.
Architecture and Antiquities.			
An Essay upon the State of Architecture and Antiquities previous to the Landing of the Anglo-Normans in Ireland.	L. C. BEAUFORT.	A. XV. 101	Oct. 22, 1827.
Ardagh Chalice.			
On an Ancient Chalice and Brooches lately found at Ardagh, Co. Limerick.	Earl of DUNRAVEN.	A. XXIV. 433	Feb. 22, 1869.
Ardnorcher.			
A Descriptive Account of the Fort of Ardnorcher or Horseleap, near Kilbeggan, in the County of Westmeath: with Conjectures concerning its Use, and the Time of its Erection.	J. BROWNRIGG.	A. II. 43	Dec. 6, 1788.
Areas of Countries.			
Essay on the Best Method of Ascertaining the Areas of Countries of considerable Extent.	J. WHITELAW.	S. VI. 65	April 25, 1795.
Armagh Observatory.			
On the Longitude of the Armagh Observatory, given by Fifteen Chronometers of Arnold and Dent.	T. R. ROBINSON.	S. XIX. 110	Dec. 10, 1838.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Artificial Horizon.			
A Description of a Reflecting Level, or an Artificial Horizon, for taking Altitudes of the Celestial Bodies, &c., on Land, by Hadley's Quadrant, with some Remarks on different Levels.	J. LITTLE.	S. VIII. 77	Oct. 20, 1798.
Artillery.			
On the Physical Conditions involved in the Construction of Artillery, and on some hitherto Unexplained Causes of the Destruction of Cannon in Service.	R. MALLET.	S. XXIII. 141	June 25, 1855.
Association.			
An Essay on Accidental Association.	J. WILLS.	P.L. XXI. 87	Feb. 24, 1846.
On the Law of Spontaneous and Voluntary Association.	J. WILLS.	P.L. XXII. 73	June 28, 1847.
Assyrian.			
On the Personal Pronouns of the Assyrian and other Languages, especially Hebrew.	E. HINCKS.	P.L. XXIII. 3	June 26, 1854.
Assyrian Mythology.			
On the Assyrian Mythology.	E. HINCKS.	P.L. XXII. 405	Nov. 13, 1854.
Assyrio-Babylonian.			
On the Assyrio-Babylonian Phonetic Characters.	E. HINCKS.	P.L. XXII. 293	May 24, 1852.
On the Assyrio-Babylonian Measures of Time.	E. HINCKS.	P.L. XXIV. 13	April 10, 1865.
Astronomical Circle.			
On Correcting Errors of the Astronomical Circle by Opposite Readings.	T. R. ROBINSON.	S. XV. 21	Dec. 5, 1825.
Astronomical Instrument.			
On an Astronomical Instrument of the Ancient Irish.	Sir W. BETHAM.	A. XVII. 3	May 23, 1836.
Astronomy.			
Investigations in Physical Astronomy, principally Relative to the Mean Motion of the Lunar Perigee.	J. BRINKLEY.	S. XIII. 25	April 21, 1817.
Atmosphere.			
On the Variations of the Atmosphere.	R. KIRWAN.	S. VIII. 269	May 11, 1801.
Attraction of Spheroids.			
(*See* **Clairaut's Theorem and Ellipsoids**).			
On a Difficulty in the Theory of the Attraction of Spheroids.	J. MAC CULLAGH.	S. XVII. 237	May 28, 1832.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Aurora Borealis.			
An Account of an Aurora Borealis seen in full Sunshine.	H. USSHER.	S. II. 189	Dec. 1, 1788.
Australia.			
Some Account of the Marine Botany of the Colony of Western Australia.	W. H. HARVEY.	S. XXII. 525	Dec. 11, 1854.
Babylonian.			
On the Three Kinds of Persepolitan Writing, and on the Babylonian Lapidary Characters.	E. HINCKS.	P.L. XXI. 233	Nov. 30, Dec. 14, 1846.
Barnaan Cuilawn.			
Description of the Barnaan Cuilawn, and some Conjectures upon the Original Use thereof; together with an Account of the Superstitious Purposes to which it was latterly applied. Also a Description of the Remains of an Ancient Mill, which was recently Discovered near the Ruins of Glankeen Church, Co. Tipperary.	T. L. COOKE.	A. XIV. 31	Jan. 7, 1822.
Barometer.			
Description of a New Portable Barometer.	A. M'GWIRE.	S. I. 41	May 1, 1786.
An Essay on the Variations of the Barometer.	R. KIRWAN.	S. II. 43	March 1, 1788.
Description of a Portable Barometer.	G. AUSTIN.	S. IV. 99	Dec. 4, 1790.
Description of a Self-registering Barometer.	A. M'GWIRE.	S. IV. 141	May 7, 1791.
On a New kind of Portable Barometer for Measuring Heights.	J. A. HAMILTON.	S. V. 95	Dec. 3, 1791.
An Investigation of the Principles upon which a New Self-registering Barometer may be Constructed.	J. STEVELLY.	S. XVII. 471	Nov. 30, 1835.
A Letter to the Author of the preceding Paper, with Remarks and Hints for the further Improvement of Barometers.	H. HAMILTON.	S. V. 117	Dec. 1, 1792.
Barometric Formula.			
On a New Barometric Formula for Mountain Heights in which the Hygrometric Condition of the Atmosphere is systematically Considered.	H. L. RENNY.	S. XXIII. 437	Jan. 8, 1855.
On the Constants of Barometric Formulæ which make correct Allowance for the Hygrometric state of the Atmosphere.	H. L. RENNY.	S. XXIII. 623	June 14, 1858.
Basalts.			
Explanatory Notes and Discussion of the Nature of the Prismatic Forms of a Group of Columnar Basalts, Giant's Causeway.	J. P. O'REILLY.	S. XXVI. 641	June 24, 1878.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Bell of St. Patrick.			
On the Bell of St. Patrick, called the Clog an Edachta.	W. REEVES.	P.L.A. XXVII. 1	Nov. 9, 1863.
Bhagavad Gîtâ.			
On the Collation of a MS. of the Bhagavad Gîtâ.	D. CROFTON.	P.L. XXIV. 3	June 14, 1858.
Biaxal Crystals.			
On the Phenomena presented by Light in its Passage along the Axes of Biaxal Crystals.	H. LLOYD.	S. XVII. 145	Jan. 28, 1833.
Bicircular Quartics.			
On Bicircular Quartics.	J. CASEY.	S. XXIV. 457	Feb. 10, 1867.
Bilious Cholic.			
On Bilious Cholic and Convulsions in Early Infancy.	J. CLARKE.	S. XI. 121	May 1, 1809.
Binary Stars.			
On the Binary Stars, σ Coronæ, τ Ophiuchi, γ Leonis, ζ Aquarii, 36 Andromedæ, and ι Leonis.	W. DOBERCK.	S. XXV. 581	June 28, 1875.
On the Binary Stars, 44 Boötis, η Cassiopeiæ, and μ Draconis [with Addenda to previous Memoirs].	W. DOBERCK.	S. XXVI. 1	Nov. 8, 1875.
Binomial Theorem.			
Two Proofs of the Binomial Theorem.	S. VINCE.	S. XII. 31	May, 1810.
Bleaching.			
Experiments on the Alkaline Substances used in Bleaching and on the Colouring Matter of Linen Yarn.	R. KIRWAN.	S. III. 3	April 4, 1789.
Blodgettia confervöides.			
On Blodgettia confervöides of Harvey, forming a New Genus and Species of Fungi.	E. P. WRIGHT.	S. XXVIII. 21	Nov. 10, 1879.
Bolina hibernica.			
On the Bolina hibernica.	R. PATTERSON.	S. XIX. 154	Feb. 11, 1839.
Boomerang.			
On the Antiquity of the Kiliee or Boomerang.	Sir S. FERGUSON.	P.L. XIX. 22	Jan. 22, Feb. 12, 1838.
Boötis.			
On μ^2 Boötis (considered as a Revolving Double Star).	W. DOBERCK.	S. XXV. 481	Feb. 8, 1875.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Botany.			
On the Botany of the County of Clare.	F. J. FOOT.	S. XXIV. 143	April 28, 1862.
On the Botany of Sinai and South Palestine.	H. C. HART.	S. XXVIII. 373	Feb. 23, 1885.
Marine Botany of W. Australia.	W. H. HARVEY.	S. XXII. 525	Dec. 11, 1854.
Brain.			
Minute Structure of the Brain in the Chimpanzee and Human Idiot, Compared with that of the perfect Brain of Man, with some Reflections on the Cerebral Functions.	J. MACARTNEY.	S. XIX. 322	June 27, 1842.
Brass Medal.			
Remarks on a Brass Medal of our Saviour, found in the Friar's Walk, in the Vicinity of Cork, in October, 1818.	H. J. M. MASON.	A. XIII. 129	Jan. 25, 1819.
Brehon Laws.			
An Essay on the Nature and Influence of the Ancient Irish Institutes, commonly called Brehon Laws, and on the Number and Authenticity of the Documents whence Information concerning them may be Derived; Accompanied by Specimens of Translations from some of their most Interesting Parts.	E. O'REILLY.	A. XIV. 141	June 28, 1824.
Burren.			
On the Distribution of Plants in Burren, Co. Clare.	F. J. FOOT.	S. XXIV. 143	April 28, 1862.
Cairns.			
Descriptions of Cairns, Cromlechs, Kistvaens, and other Celtic, Druidical, or Scythian Monuments in the Dekhan.	M. TAYLOR.	A. XXIV. 329	May 12, 1862.
Results of Examination of a Group of Ancient Cairns on Twizell Moor in Northumberland, exhibiting Similarity in Construction and Contents with Cairns in the Dekhan.	M. TAYLOR.	A. XXIV. 363	Jan. 9, 1865.
Calc Spar.			
On Rings seen in Fibrous Specimens of Calc Spar.	G. J. STONEY.	S. XXIV. 31	May 28, 1860.
Calp.			
Observations on Calp.	Hon. G. KNOX.	S. VIII. 207	March 9, 1801.
Cacinan.			
Cacinan, or some Account of the Ancient Irish Lamentations.	W. BEAUFORD.	A. IV. 41	Dec. 17, 1791.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Carbon.			
Of the Composition and Proportion of Carbon in Bitumens and Mineral Coal.	R. KIRWAN.	S. VI. 141	Dec. 19, 1795.
Carbon and Hydrogen.			
On a New Gaseous Compound of Carbon and Hydrogen.	E. DAVY.	S. XVIII. 80	June 26, 1837.
Cataract.			
A Critical and Anatomical Examination of the Parts immediately interested in the Operation for a Cataract; with an Attempt to render the Operation itself, whether by Depression or Extraction, more Certain and Successful.	S. O'HALLORAN.	S. II. 121	Jan. 3, 1789.
Céli-dé.			
On the Céli-dé, commonly called Culdees.	W. REEVES.	A. XXIV. 119	Nov. 12, Dec. 10, 1860.
Census Returns.			
Observations on the Earliest known Manuscript Census Returns of the People of Ireland.	W. H. HARDINGE.	A. XXIV. 317	March 16, 1865.
Certainty and Probability.			
On the Nature and Limits of Certainty and Probability.	G. MILLER.	S. V. 199	May 4, 1793.
Chalybeate Preparations.			
An Account of some Chalybeate Preparations in the Pharmacopœia Regis et Reginæ in Hibernia.	R. PERCEVAL.	S. XI. 1	—
Chameleon.			
On the Structure and Mechanism of the Tongue of the Chameleon.	J. HOUSTON.	S. XV. 177	April 28, 1828.
Chemical Equilibrium.			
On Chemical Equilibrium.	F. A. TARLETON.	S. XXVIII. 1	June 28, 1880.
Chemical Notes.			
Chemical Communications and Inquiries.	R. PERCEVAL.	S. IV. 85	Nov. 6, 1790.
Chemical and Mineralogical Nomenclature.	R. KIRWAN.	S. VIII. 53	March 24, 1800.
Chemical Optics.			
Researches in Chemical Optics.	J. H. JELLETT.	S. XXV. 371	June 25, 1860. Jan. 26, 1863. Nov. 30, 1873.
Cherubim.			
An Essay on the Nature and Symbolical Character of the Cherubim of the Jewish Tabernacle.	H. J. M. MASON.	A. XIII. 81	Jan. 26, 1818.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Chess.			
An Account of the Game of Chess as played by the Chinese.	E. IRWIN.	A. V. 53	Nov. 16, 1793.
Chimpanzee.			
The Lumbar Curve in Man and the Apes; with an Account of the Topographical Anatomy of the Chimpanzee, Orang-utan, and Gibbon.	D. J. CUNNINGHAM.	Cunningham Memoirs, No. II.	Feb. 8, 1886.
Chlamydophorus.			
A Monograph on the Anatomy of Chlamydophorus Truncatus (Harlan); with Notes on the Structure of other Species of Edentata.	A. MACALISTER.	S. XXV. 219	April 22, 1872.
Chlorochytrium.			
On a New Species of Parasitic Green Alga, belonging to the Genus Chlorochytrium of Cohn.	E. P. WRIGHT.	S. XXVI. 355	Feb. 12, 1877.
Cholic.			
On Bilious Cholic and Convulsions in Early Infancy.	J. CLARKE.	S. XI. 121	May 1, 1809.
Chronology.			
A Dissertation upon the Chronology of the Judges of Israel.	H. B. AUCHINLECK.	A. XI. 63	April 10, 1809.
Churches.			
A Memoir respecting the Antiquities of the Church of Killossy in the County of Kildare; with some Conjectures on the Origin of the Ancient Irish Churches.	W. BEAUFORD.	A. III. 75	Jan. 20, 1790.
Circle.			
A General Demonstration of the Property of the Circle Discovered by Mr. Cotes, Deduced from the Circle only.	J. BRINKLEY.	S. VII. 151	Nov. 4, 1797.
Circles.			
On the Equations of Circles. (Second Memoir.)	J. CASEY.	S. XXVI. 527	Aug. 12, 1878.
On Three Circles Related to a Triangle.	W. S. M'CAY.	S. XXVIII. 453	May 11, 1885.
Civil War in Ireland.			
On Circumstances attending the Outbreak of the Civil War in Ireland on 23rd October, 1641, and its Continuance to the 12th May, 1652; the Numerical Extent and Manner of the Transplantation of Irish into Connaught and Clare; the Extent, Value, and Distribution of the Forfeited Lands; their Insufficiency to satisfy the Debts and Arrears due to Adventurers and Soldiers; the Solution of that difficulty under the Acts of Settlement and Explanation; and the Results of these Operations.	W. H. HARDINGE.	A. XXIV. 379	Dec. 11, 1865.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Clairaut's heorem.			
(*See* **Ellipsoids.**)			
On the Attraction of Ellipsoids; with a New Demonstration of Clairaut's Theorem, being an Account of the late Professor Mac Cullagh's Lectures on those subjects.	G. J. ALLMAN.	S. XXII. 379	June 13, 1853.
Climate of Ireland.			
Memoir on the Climate of Ireland.	W. HAMILTON.	S. VI. 27	Dec. 6, 1794.
An Essay on the Climate of Ireland.	J. M'SWEENY.	S. XVII. 179	Nov. 8, 1830.
Clog an Edachta.			
On the Bell of St. Patrick, called the Clog an Edachta.	W. REEVES.	P.L.A. XXVII. 1	Nov. 9, 1863.
Coal Mines.			
Observations on Coal Mines.	R. KIRWAN.	S. II. 157	Jan. 10, 1789.
Letter to the Earl of Charlemont on foregoing Paper.	R. KIRWAN.	S. III. 49	Dec. 5, 1789.
Coins.			
An Account of Ancient Coins found at Ballylinam in the Queen's County, Ireland; with Conjectures thereon.	W. BEAUFORD.	A. I. 139	Feb. 19, 1787.
On the Irish Coins of Edward the Fourth.	A. SMITH.	A. XIX. 1	Nov. 30, 1839.
On the Irish Coins of Henry the Seventh.	A. SMITH.	A. XIX. 50	June 14, 1841.
Colophonine.			
Contributions to the History of the Terebenes. [On Colophonine and Colophonic Hydrate.]	C. R. C. TICHBORNE.	S. XXIV. 579	Jan. 11, 1869.
Comet.			
On the First Comet of 1845.	W. DOBERCK.	S. XXV. 459	Jan. 11, 1875.
A Method of Correcting the Approximate Elements of the Orbit of a Comet, and the Application of the same to Observations made at the Observatory of T. C. D. on the Comet of July, 1819.	J. BRINKLEY.	S. XIII. 189	April 17, 1820.
Observations on Comets made at the Observatory of Markree during the First Six Months of the Year 1846.	E. J. COOPER.	S. XXI. 114	July 20, 1846.
Conic Sections.			
Geometrical Theorems on the Rectification of the Conic Sections.	J. MAC CULLAGH.	S. XVI. 79	June 1, 1830.
Conjugate Functions.			
Theory of Conjugate Functions or Algebraic Couples; with a Preliminary and Elementary Essay on Algebra as the Science of Pure Time.	Sir W. R. HAMILTON.	S. XVII. 293	Nov. 4, 1833. June 1, 1835.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Conveying Intelligence.			
An Essay on the Art of Conveying Secret and Swift Intelligence.	R. L. EDGEWORTH.	S. VI. 95	June 27, 1795.
Three Schemes for Conveying Intelligence to Great Distances by Signals.	J. COOKE.	S. VI. 77	Dec. 6, 1794.
Crangon and Galathea.			
On the Britannic Species of Crangon and Galathea; with some Remarks on the Homologies of these Groups.	J. R. KINAHAN.	S. XXIV. 45	June 25, 1860.
Credulity.			
An Essay on Credulity.	W. PRESTON.	S. IX. 47	—
Croix Gammée.			
Croix Gammée or Swastika.	C. GRAVES.	P.L.A. XXVII. 41	May 13, 1878.
Crystalline Reflexion and Refraction.			
On the Laws of Crystalline Reflexion and Refraction.	J. MAC CULLAGH.	S. XVIII. 31	Jan. 9, 1837.
An Essay towards a Dynamical Theory of Crystalline Reflexion and Refraction.	J. MAC CULLAGH.	S. XXI. 17	Dec. 9, 1839.
Crystals.			
On the Molecular Formation of Crystals.	R. T. FOSTER.	S. XXIII. 489	May 14, 1855.
Cubic Curves.			
On Nine-point Contact of Cubic Curves.	Sir A. S. HART.	S. XXV. 559	April 26, 1876.
Cubic Equations.			
A New Method of Resolving Cubic Equations.	T. MEREDITH.	S. VII. 69	June 10, 1797.
Cubic Transformations.			
On Cubic Transformations.	J. CASEY.	Cunningham Memoirs, No. I.	Dec. 8, 1879.
Cuneatic Characters.			
On the Third Persepolitan Writing, and on the Mode of Expressing Numerals in Cuneatic Characters.	E. HINCKS.	P.L. XXI. 249	Jan. 11, 1847.
Cuneiform Writing.			
On the Different Kinds of Cuneiform Writing in the Triple Inscriptions of the Persians, and on the Language Transmitted through the First Kind.	C. WALL.	P.L. XXI. 257	Dec. 13, 1847.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Curves.			
A Synthetical Demonstration of the Rule for the Quadrature of Simple Curves in the Analysis *per equationes terminorum numero infinitas.*	M. YOUNG.	S. I. 31	March 6, 1786.
On the Intersections of Plane Curves of the Third Order.	Sir A. S. HART.	S. XXVI. 449	May 27, 1878.
Cydippe.			
Description of the Cydippe pomiformis (Beroë ovatus. Flem.); with Notice of an apparently Undescribed Species of Bolina, also Found on the Coast of Ireland.	R. PATTERSON.	S. XIX. 91	Dec. 10, 1838.
Declivities of Mountains.			
An Essay on the Declivities of Mountains.	R. KIRWAN.	S. VIII. 35	April 28, 1800.
Degree of Reciprocal Surface.			
On the Degree of the Surface Reciprocal to a given One.	G. SALMON.	S. XXIII. 461	Nov. 30, 1855.
Delphinus diodon.			
An Account of a Peculiarity not hitherto described in the Ankle or Hockjoint of the Horse; with Remarks on the Structure of the Vertebræ in the Species of Whale entitled Delphinus diodon.	R. J. GRAVES.	S. XVI. 85	July 5, 1830.
Desmosticha.			
Report on the Acanthology of the Desmosticha (Haeckel) Part I. On the Acanthological Relations of the Desmosticha.	H. W. MACKINTOSH.	S. XXVI. 475	Feb. 25, 1878.
Do. do. do. Part II.	H. W. MACKINTOSH.	S. XXVIII. 241	June 26, 1882.
Do. Further Observations on the Acanthology of the Diadematidæ. Part III.	H. W. MACKINTOSH.	S. XXVIII. 259	June 26, 1882.
Diadematidæ.			
Researches on the Structure of the Spines of the Diadematidæ (Peters).	H. W. MACKINTOSH.	S. XXV. 519	January, 1875.
Diœcious Plants.			
On the Morphology of Sexes in some Diœcious Plants.	D. MOORE.	S. XXIV. 629	April 11, 1870.
Dip.			
Further Development of a Method of Observing the Dip and Magnetic Intensity, at the same Time and with the same Instrument.	H. LLOYD.	S. XVII. 449.	Dec. 28, 1835.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Discontinuous Functions.			
On the Analysis of Discontinuous Functions.	G. BOOLE.	S. XXI. 124	July 20, 1846.
Disease.			
An Account of a Disease which, until lately, proved Fatal to a great number of Infants in the Lying-in-Hospital of Dublin; with Observations on its Causes and Prevention.	J. CLARKE.	S. III. 89	June 6, 1789.
Diseases of Infancy.			
Remarks on the Causes and Cure of some Diseases of Infancy.	J. CLARKE.	S. VI. 3	July 6, 1793.
Domnach Airgid.			
An Account of an Ancient Irish Reliquary called the Domnach Airgid.	G. PETRIE.	A. XVIII. 14	Oct. 22, 1832.
Dreams.			
On Dreams.	J. WILLS.	P.L. XXIII. 11	May 28, 1855.
Dublin.			
On the Ancient Name of Dublin.	C. HALIDAY.	P.L. XXII. 437	June 12, 1854.
Duration.			
On Space and Duration.	R. KIRWAN.	S. X. 189	March 4, 1805.
Duration, Time and Eternity.			
Of Duration, Time and Eternity.	R. KIRWAN.	S. X. 215	March 4, 1805.
Dynamics. (*See* **Earthquakes: Oscillations: Reflexion and Refraction: Rigid Body: Rigid System: and Screws.**)			
Earth.			
Experiments on a New Earth found near Stronthian, in Scotland.	R. KIRWAN.	S. V. 243	Jan. 9, 1794.
Earth Currents.			
On Earth Currents, and their Connexion with the Diurnal Changes of the Horizontal Magnetic Needle.	H. LLOYD.	S. XXIV. 115	Nov. 11, Nov. 30, 1861.
Earthquake.			
Notice of the British Earthquake of November 9th, 1852.	R. MALLET.	S. XXII. 397	Feb. 13, 1854.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Earthquakes.			
Catalogue of the Earthquakes having Occurred in Great Britain and Ireland during Historical Times; Arranged relatively to Localities and Frequency of Occurrence, to serve as a Basis for an Earthquake Map of the Three Kingdoms.	J. P. O'REILLY.	S. XXVIII. 285	April 28, 1884.
Alphabetical Catalogue of the Earthquakes Recorded as having Occurred in Europe and adjacent Countries; Arranged to serve as a Basis for an Earthquake Map of Europe.	J. P. O'REILLY.	S. XXVIII. 489	April 13, 1885.
On the Objects, Construction, and Use, of certain New Instruments for Self-registration of the Passage of Earthquake Shocks.	R. MALLET.	S. XXI. 107	June 22, 1846.
On the Dynamics of Earthquakes; being an Attempt to Reduce their observed Phenomena to the known Laws of Wave Motion in Solids and Fluids.	R. MALLET.	S. XXI. 51	Feb. 9, 1846.
Earth's Magnetic Force.			
On the Determination of the Intensity of the Earth's Magnetic Force in Absolute Measure.	H. LLOYD.	S. XXI. 1	Jan. 9, 1843.
On the Determination of the Intensity of the Earth's Magnetic Force in Absolute Measure, by means of the Dip Circle.	H. LLOYD.	S. XXIII. 535	Jan. 11, 1858.
Earth's Magnitude, &c.			
An Essay on the present State of Astronomical Certainty with regard to the Quantity of the Earth's Magnitude, the Distance of that Planet from the Sun, and the Absolute Limit of the Smallest Possible Interval from the Sun to any one of the Fixed Stars.	J. A. HAMILTON.	S. XI. 13	—
Ecclesiastical Architecture of Ireland.			
Ecclesiastical Architecture of Ireland Anterior to the Anglo-Norman Invasion, comprising an Essay on the Origin and Uses of the Round Towers of Ireland.	G. PETRIE.	A. XX. 1	May 27, 1833.
Eclipse.			
Observations of the Lunar Eclipse, March 18th, 1783.	H. USSHER.	S. I. 25	Dec. 5, 1785.
Eclipse of the Sun, June 3rd, 1788.	H. USSHER.	S. II. 187	Dec. 1, 1788.
Ectocarpus.			
On a Species of Rhizophydium Parasitic on Species of Ectocarpus; with Notes on the Fructification of the Ectocarpi.	E. P. WRIGHT.	S. XXVI. 369	Feb. 12, 1877.
Edentates.			
Report on the Anatomy of the Insectivorous Edentates.	A. MACALISTER.	S. XXV. 491	Jan. 25, 1875.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Egyptian Dynasty.			
On the Chronology of the Twenty-sixth Egyptian Dynasty, and of the Commencement of the Twenty-seventh.	E. HINCKS.	P.L. XXII. 423	Nov. 13, 1854.
Egyptian Monuments.			
On the Defacement of Divine and Royal Names on Egyptian Monuments.	E. HINCKS	P.L. XXI. 105	Feb. 26, 1844.
Egyptian Stele or Tablet.			
On the Egyptian Stele or Tablet.	E. HINCKS.	P.L. XIX. 49	June 28, 1841.
Egyptian Years and Cycles.			
On the Years and Cycles used by the Ancient Egyptians.	E. HINCKS.	P.L. XVIII. 153	April 9, 1838.
Egyptian Years and Months.			
On the various Years and Months in Use among the Egyptians.	E. HINCKS.	P.L. XXIV. 25	June 26, 1865.
Elastic Media.			
On a Classification of Elastic Media and the Laws of Plane Waves Propagated through them.	S. HAUGHTON.	S. XXII. 97	Jan. 8, 1849.
Elastic Solid.			
On the Equilibrium and Motion of an Elastic Solid.	J. H. JELLETT.	S. XXII. 179	Jan. 28, 1850.
Electric Attraction and Repulsion.			
Observations on the Theory of Electric Attraction and Repulsion.	G. MILLER.	S. VII. 139	Jan. 5, 1799.
Electric Force.			
On the Direction and Mode of Propagation of the Electric Force Traversing interposed Media.	G. J. KNOX.	S. XIX. 147	Feb. 11, 1839.
Supplementary Researches on the Direction and Mode of Propagation of the Electric Force, and on the Source of Electric Development.	G. J. KNOX.	S. XIX. 257	May 25, 1841.
Electricity.			
On Voltaic Electricity.	T. R. ROBINSON.	S. XIII. 121	Nov. 23, 1818.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Electro-Magnet.			
Experimental Researches. Part I. On the Lifting Power of the Electro-Magnet.	T. R. ROBINSON.	S. XXII. 291	June 14, 1852.
Experimental Researches. Part II. On Temperature Correction; Effects of Spirals and Helices.	T. R. ROBINSON.	S. XXII. 499	June 26, 1854.
Experimental Researches. Part III.	T. R. ROBINSON.	S. XXIII. 501	Nov. 30, 1857.
Ellipsoids.			
(*See* **Lines of Curvature: Clairaut's Theorem.**)			
An Investigation of the Lines of Curvature of Ellipsoids, Hyperboloids, and Paraboloids, with a View to the Improvement of the Theory of the Structure and Decoration of Domes.	D. LARDNER.	S. XIV. 75	June 14, 1824.
On the Attraction of Ellipsoids, with a new Demonstration of Clairaut's Theorem; being an Account of the late Professor Mac Cullagh's Lectures on those subjects.	G. J. ALLMAN.	S. XXII. 379	June 13, 1853.
Elliptic Functions.			
Expansion of Elliptic Functions.	W. NICOLLS.	S. XXVIII. 267	Nov. 12, 1883.
Elliptic Space. (*See* **Rigid System.**)			
English Prose.			
An Essay on the Variations of English Prose from the Revolution to the Present Time.	T. WALLACE.	P.L. VI. 41	June 18, 1796.
Equations.			
Equations of the Fifth Degree; and especially on a certain System of Expressions connected with those Equations, which Professor Badano has lately proposed.	Sir W. HAMILTON.	S. XIX. 329	Aug. 4, 1842.
Equatorial Instruments.			
On Correcting Observations made with Equatorial Instruments.	T. R. ROBINSON.	S. XV. 3	Jan. 10, 1825.
Equilibrium.			
On Chemical Equilibrium.	F. A. TARLETON.	S. XXVIII. 1	June 28, 1880.
Equilibrium and Motion.			
On the Equilibrium and Motion of Solid and Fluid Bodies.	S. HAUGHTON.	S. XXI. 151	May 25, 1846.
On the Equilibrium and Motion of an Elastic Solid.	J. H. JELLETT.	S. XXII. 179	Jan. 28, 1850.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Equinoxes.			
On the Precession of the Equinoxes.	M. YOUNG.	S. VII. 3	April 1, 1797.
On the Quantity of the Precession of the Equinoxes, as Determined by certain Stars that appear to have no proper Motion.	J. BRINKLEY.	S. XV. 39	Jan. 17, 1825. May 22, 1826.
Essential Oils.			
On the Composition of certain Essential Oils.	Sir R. KANE.	S. XVIII. 135	June 12, 1837.
Euler.			
On an Extension of a Theorem of Euler, with a Determination of the Limit beyond which it Fails.	J. R. YOUNG.	S. XXI. 311	Nov. 30, 1847.
Falstaff.			
An Examination of an Essay on the Dramatic Character of Sir John Falstaff.	R. STACK.	P.L. II. 3	Feb. 11, 1788.
Fictitious History.			
Influence of Fictitious History on Modern Manners.	MISS KIERNAN.	P.L. XII. 61	—
Fish in Stone.			
On the Fish Enclosed in Stone of Monte Bolca.	G. GRAYDON.	S. V. 281	March 1, 1794.
Fixed Caustic Alkaline Salts.			
On the Power of Fixed Caustic Alkaline Salts to Preserve the Flesh of Animals from Putrefaction.	H. HAMILTON.	S. V. 319	April 5, 1794.
Flora of the Seychelles.			
Contributions towards a Knowledge of the Flora of the Seychelles.	E. P. WRIGHT.	S. XXIV. 571	Dec. 14, 1868.
On the Fern Flora of the Seychelles.	J. G. BAKER.	S. XXV. 509	June 22, 1874.
Fluctuating Functions.			
On Fluctuating Functions.	Sir W. HAMILTON.	S. XIX. 264	June 22, 1840.
Fluidity of the Earth.			
On the Original and Actual Fluidity of the Earth and Planets.	S. HAUGHTON.	S. XXII. 251	May 12, 1851.
Fluorine.			
On the Insulation of Fluorine.	G. J. KNOX, T. KNOX.	S. XVIII. 127	April 10, 1837.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Foraminifera.			
Report on some recent Foraminifera found off the Coast of Dublin and in the Irish Sea.	F. P. BALKWILL, J. WRIGHT.	S. XXVIII. 317	June 23, 1884.
Fossil Vertebrata.			
On a Collection of Fossil Vertebrata from the Jarrow Colliery, Co. Kilkenny.	T. H. HUXLEY, E. P. WRIGHT.	S. XXIV. 351	Jan. 8, 1866.
Four Masters.			
Remarks on the History and the Authenticity of the Autograph Original of Annals of the Four Masters, now deposited in the Library, Royal Irish Academy.	G. PETRIE.	A. XVI. 381	March 16, 1831.
Fresnel.			
On the Double Refraction of Light in a Crystallized Medium, according to the Principles of Fresnel.	J. MAC CULLAGH.	S. XVI. 65	June 21, 1830.
Friction Sledge.			
Account of Experiments made on a New Friction Sledge for Stopping Railway Trains.	S. HAUGHTON.	S. XXII. 219	June 4, 1850.
Fulminating Silver.			
An Account of a new Fulminating Silver, and its Application as a Test for Chlorine, &c.	E. DAVY.	S. XVII. 265	May 23, 1831.
Furnaces.			
On the Construction of Furnaces for High Heats, and the Theory of their Operation.	T. R. ROBINSON.	S. XIII. 63	April 21, 1817.
Gaelic Poems.			
Ancient Gaelic Poems respecting the Race of the Fians; Collected in the Highlands of Scotland in the year 1784.	M. YOUNG.	A. I. 43	April 17, 1786.
Galathea.			
On the Britannic Species of Crangon and Galathea; with some Remarks on the Homologies of these Groups.	J. R. KINAHAN.	S. XXIV. 45	June 25, 1860.
Galvanometers.			
On certain Improvements in the Construction of Galvanometers; on Galvanometers in general; and on a new Instrument for Measuring the Relative Force of Magnetism in Compound Needles intended to be nearly Astatic.	M. DONOVAN.	S. XXII. 233	May 22, 1848.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Galvanometric Deflections.			
Galvanometric Deflections producible by Attrition and Contact of Metals under certain Circumstances.	M. DONOVAN.	S. XXIII. 1	Jan. 8, Jan. 22, Feb. 12, 1849.
Gardening.			
Essay on the Rise and Progress of Gardening in Ireland.	J. C. WALKER.	A. IV. 3	May 16, 1790.
Gases.			
Upon a New Method of Investigating the Specific Heats of the Gases.	J. APJOHN.	S. XVIII. 1	March 16, 1837.
Geological Climates.			
New Researches on Sun-Heat and Terrestrial Radiation, and on Geological Climates.	S. HAUGHTON.	S. XXVIII. 47	Jan. 10, 1881.
Geology.			
On the Application of the Science of Geology to the purposes of Practical Navigation.	A. NIMMO.	S. XIV. 39	Oct. 27, 1823.
Geometrical Theorems.			
Geometrical Theorems.	J. C. MALET.	S. XXVIII. 759	Jan. 25, 1886.
Geometrical Transformation.			
On a Geometrical Transformation of the Fourth Order, in Space of Three Dimensions, the Inverse Transformation being of the Sixth Order.	L. CREMONA.	S. XXVIII. 279	April 28, 1884.
German Writers.			
Reflections on the Peculiarities of Style and Manner in the late German Writers whose Works have appeared in English, and on the Tendency of their Productions.	W. PRESTON.	P.L. VIII. 15	Nov. 24, 1800.
Girders.			
On the Relative Deflection of Lattice and Plate Girders.	B. B. STONEY.	S. XXIV. 189	June 23, 1862.
Glan.			
A Memoir of the Mines of Glan, the Royalty of Richard Martin, Esq.	MONS. SUBRINE.	S. VIII. 141	June 9, 1800.
Globe.			
On the Primitive State of the Globe, and its subsequent Catastrophe.	R. KIRWAN.	S. VI. 233	Nov. 19, 1796.
An Illustration and Confirmation of some Facts mentioned in an Essay on the Primitive State of the Globe.	R. KIRWAN.	S. VIII. 29	May 5, 1800.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Gold.			
Account of Four Circular Plates of Gold Found in Ireland.	R. OUSELEY.	A. VI. 31	March 11, 1797.
Goldsmith, Oliver.			
On the Poetical Character of Dr. Goldsmith.	A. BURROWES.	P.L. VI. 71	April 22, 1797.
Gospels.			
Description of a Rich and Ancient Box containing a Latin Copy of the Gospels, which was Found on a Mountain in Co. Tipperary.	H. M. MASON.	A. XIII. 175	May 24, 1819.
Gothic Arch.			
The Origin and Theory of the Gothic Arch.	M. YOUNG.	S. III. 55	Nov. 7, 1789.
Granites.			
On the Granites of the County of Donegal.	S. HAUGHTON.	S. XXIV. 213	May 25, 1863.
Grasses.			
Memoir on Useful Grasses.	W. RICHARDSON.	S. XI. 87	March 6, 1809.
Gravelly and Calculus Concretions.			
An Experimental Enquiry into the Nature of Gravelly and Calculus Concretions in the Human Subject; and the Effects of Alkaline and Acid Substances on them, in and out of the Body.	T. EGAN.	S. X. 229	March 6, 1805.
Gravity.			
On Sir Isaac Newton's first Solution of the Problem for Finding the Relation between Resistance and Gravity, that a Body may be made to Describe a Given Curve, and the Source of Error in that Solution pointed out.	J. BRINKLEY.	S. XI. 45	May 25, 1807.
Greek Accents			
Some Observations upon the Greek Accents.	A. BROWNE.	P.L. VII. 359	Dec. 14, 1799.
Greek Tenses.			
Brief Strictures on certain Observations of Lord Monboddo respecting the Greek Tenses.	A. BROWNE.	P.L. III. 11	Feb. 13, 1790.
Griffithsia setacea.			
On the Cell Structure of Griffithsia setacea (Ellis); and on the Development of its Antheridia and Tetraspores.	R. P. WRIGHT.	S. XXVI. 491	April 8, 1878.
Gunpowder.			
Observations on Gunpowder.	Hon. G. NAPIER.	S. II. 97	Oct. 25, 1788.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Haarlem Lake.			
On the Drainage of the Haarlem Lake.	S. DOWNING.	S. XXIII. 449	Feb. 12, 1855.
Habit.			
On the Influence of Habit, Considered in Conjunction with the Love of Novelty.	A. CARMICHAEL.	P.L. XII. 99	—
Halley's Series.			
On Dr. Halley's Series for the Calculation of Logarithms.	R. MURRAY.	S. IX. 3	Nov. 16, 1801.
Happiness.			
An Essay on Happiness.	R. KIRWAN.	P.L. XI. 1	Nov. 13, 1809.
Hare.			
On the Irish Hare (Lepus hibernicus).	W. THOMPSON.	S. XVIII. 260	May 28, 1838.
Heat.			
On the Means of producing an Intense Heat by the Combustion of Oxygen and Hydrogen Gases.	T. R. ROBINSON.	S. XIII. 93	Jan. 12, 1818.
On the Heat developed during the Combination of Acids and Bases.	T. ANDREWS.	S. XIX. 228	Jan. 11, 1841.
On the Heat developed during the Formation of the Metallic Compounds of Chlorine, Bromine, and Iodine.	T. ANDREWS.	S. XIX. 393	Dec. 12, 1842.
On the Effect of Heat in Lessening the Affinities of the Elements of Water.	T. R. ROBINSON.	S. XXI. 297	June 14, 1847.
Hebræo-Celtic Affinities.			
On Hebræo-Celtic Affinities.	F. CRAWFORD.	P.L. XXII. 371	Feb. 23, 1852.
Hebrew.			
On the Personal Pronouns of the Assyrian and other Languages, especially Hebrew.	E. HINCKS.	P.L. XXIII. 3	June 26, 1854.
Hebrew Medal.			
Observations which Accompanied a Hebrew Medal, submitted to the Inspection of the Royal Irish Academy.	R. WALSH.	A. XIII. 161	June 28, 1819.
Herodotus.			
Some Considerations on a Controverted Passage of Herodotus.	Earl of CHARLEMONT.	A. V. 3	July 7, 1790.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Herschel's Catalogue.			
A Supplement to Sir John Herschel's General Catalogue of Nebulæ and Clusters of Stars.	J. L. E. DREYER.	S. XXVI. 381	Feb. 26, 1877.
Hiberno-Celtic and Phenician Languages.			
On the Affinity of the Hiberno-Celtic and Phenician Languages.	Sir W. BETHAM.	A. XVII. 73	Nov. 28, 1836.
Hieroglyphic Alphabet.			
An Attempt to Ascertain the Number, Names, and Powers of the Letters of the Hieroglyphic or Ancient Egyptian Alphabet; grounded on the Establishment of a new Principle in the Use of Phonetic Characters.	E. HINCKS.	P.L. XXI. 132	Jan. 26, Feb. 9, June 8, 1846.
Hoby.			
An Account of Some MS. Papers which belonged to Sir Philip Hoby, Knt., who filled several Important Offices in the Reign of King Edward VI.	— HINCKES.	A. VI. 7	Dec. 17, 1796.
Homer.			
A Dissertation on a Passage in the Sixth Iliad of Homer.	E. LEDWICH.	P.L. IV. 3	Oct. 15, 1791.
Horizon Glass.			
An Explanation of the Method of Adjustment of the Back Horizon Glass of Hadley's Quadrant by Two Near Objects; also a Description of a Projected Addition to the Quadrant for Reflecting that Adjustment, according to the Method of Mr. Blair.	J. LITTLE.	S. XII. 3	Jan. 28, 1811.
Horse.			
An Account of a Peculiarity, not hitherto described, in the Ankle or Hock-joint of the Horse; with Remarks on the Structure of the Vertebræ in the Species of Whale entitled Delphinus diodon.	R. J. GRAVES.	S. XVI. 85	July 5, 1830.
Human Understanding.			
Remarks on Some Sceptical Positions in Mr. Hume's Enquiry Concerning the Human Understanding, and his Treatise on Human Nature.	R. KIRWAN.	S. VIII. 157	Oct. 20, 1800.
An Essay upon Mr. Stewart's Explanation of Certain Processes of the Human Understanding.	J. WILLS.	P.L. XIX. 78	Feb. 14, 1842.
Huttonian Theory.			
Observations on the Proofs of the Huttonian Theory of the Earth, Adduced by Sir James Hall, Bart.	R. KIRWAN.	S. VIII. 3	Feb. 8, 1800.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Hutton's Theory.			
Inquiry into the Consistency of Dr. Hutton's Theory of the Earth; with the Arrangement of the Strata and other Phenomena on the Basaltic Coast of Antrim.	W. RICHARDSON.	S. IX. 429	May 2, 1803.
Hygrometer.			
On the Theory of the Moist-bulb Hygrometer. Part I.	J. APJOHN.	S. XVII. 275	Nov. 24, 1834.
On the Theory of the Moist-bulb Hygrometer. Part II.	J. APJOHN.	S. XVII. 283	April 27, 1835.
Igneous Origin.			
Examination of the Supposed Igneous Origin of Stony Substances.	R. KIRWAN.	S. V. 51	Feb. 3, 1793.
Imaginary Roots.			
On an Elementary Proof of Sir Isaac Newton's hitherto Undemonstrated Rule, given in the "Arithmetica Universalis," for the Discovery of Imaginary Roots in Algebraical Equations.	J. J. SYLVESTER.	S. XXIV. 247	June 26, 1865.
Inextensible Surfaces.			
On the Properties of Inextensible Surfaces.	J. H. JELLETT.	S. XXII. 343	May 23, 1853.
Inscribed Monuments.			
Memoirs of Researches amongst the Inscribed Monuments of the Græco-Roman Era in Certain Ancient Sites of Asia Minor.	J. K. BAILIE.	P.L. XIX. 111	May 9, May 23, 1842.
Memoirs of Researches amongst the Inscribed Monuments of the Græco-Roman Era in certain Ancient Sites of Asia Minor.	J. K. BAILIE.	P.L. XXI. 11	June 26, 1843.
Inscription.			
An Inscription on an Ancient Sepulchral Stone or Monument in the Churchyard of Kilcummin; with some Remarks on the same.	J. LITTLE.	A. IX. 3	June 21, 1802.
Insectivorous Edentates.			
Report on the Anatomy of the Insectivorous Edentates.	A. MACALISTER.	S. XXV. 491	Jan. 25, 1875.
Integral.			
On a Certain Multiple Definite Integral.	G. BOOLE.	S. XXI. 140	April 13, 1846.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Integrals.			
Some Theorems in the Reduction of Hyper-Elliptic Integrals.	J. C. MALET.	S. XXV. 279	Jan. 12, 1874.
On the Periods of the First Class of Hyper-Elliptic Integrals.	W. R. W. ROBERTS.	S. XXVIII. 31	Nov. 8, 1880.
On Certain Definite Integrals.	J. C. MALET.	S. XXVIII. 197	April 10, 1882.
Intertubular Tissue.			
On the Intertubular Tissue of the Mammalian Testis.	R. J. HARVEY.	S. XXVI. 31	June 28, 1875.
Iodine.			
On a new Compound, consisting of Iodide of Potassium, Iodine, and the Essential Oil of Cinnamon.	J. APJOHN.	S. XVIII. 162	April 23, 1838.
Ireland.			
Observations on the Romantic History of Ireland.	E. LEDWICH.	A. IV. 21	Oct. 22, 1791.
Essay on the Natural Advantages of Ireland, the Manufactures to which they are Adapted, and the best Means of Improving those Manufactures.	W. PRESTON.	S. IX. 171	Sept. 29, 1796.
A Catalogue of Maps, Charts, and Plans relating to Ireland, preserved amongst the MSS. in the Library of Trinity College, Dublin; with Preliminary Observations.	J. HARDIMAN.	A. XIV. 57	April 12, 1824.
Catalogue of the Indigenous Plants of Ireland.	J. T. MACKAY.	S. XIV. 103	June 28, 1824.
Essay on the Ancient History, Religion, Learning, Arts, and Government of Ireland.	J. D'ALTON.	A. XVI. 3	Nov. 24, 1828.
Notice of a new Indigenous Heath found in Connemara.	J. T. MACKAY.	S. XVI. 127	Nov. 30, 1830.
Remarks on the Species of Seals (Phocidæ) Inhabiting the Irish Seas.	R. BALL.	S. XVIII. 89	Dec. 12, 1836.
A Memoir of the Medals and Medallists connected with Ireland.	H. R. DAWSON.	P.L. XIX. 1	March 16, 1838.
On an Unpublished Essay on Ireland, by Sir W. Petty, A.D. 1687.	W. H. HARDINGE.	A. XXIV. 371	May 8, 1865.
Irish Language.			
Remarks on the Irish Language; with a Review of its Grammars, Glossaries, Vocabularies, and Dictionaries; to which is Added a Model of a Comprehensive Irish Dictionary.	J. SCURRY.	P.L. XV. 3	Oct. 23, 1826.
James VI. of Scotland.			
Original Letters from James VI. of Scotland and Chancellor Maitland to Robert Bruce, Minister of the Gospel.	W. BRUCE.	A. XV. 243	May 26, 1828.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Johnson.			
Essay on the Style of Dr. Samuel Johnson. No. 1.	R. BURROWES.	P.L. I. 27	Mar. 13, 1786.
Essay on the Style of Dr. Samuel Johnson. No. 2.	R. BURROWES.	P.L. I. 41	Nov. 13, 1786.
Judges of Israel.			
A Dissertation upon the Chronology of the Judges of Israel.	H. B. AUCHINLECK.	A. XI. 63	April 10, 1809.
Kepler's Problem.			
An Examination of Various Solutions of Kepler's Problem; and a Short Practical Solution of that Problem pointed out.	J. BRINKLEY.	S. IX. 83	Nov. 1, 1802.
Khorsabad Inscriptions.			
On the Khorsabad Inscriptions.	E. HINCKS.	P.L. XXII. 3	June 25, 1849.
Kilies.			
On the Antiquity of the Kilies or Boomerang.	Sir S. FERGUSON.	P.L. XIX. 22	Jan. 22, Feb. 12, 1838.
Killossy Church.			
A Memoir respecting the Antiquities of the Church of Killossy, in the Co. Kildare; with some Conjectures on the Origin of the Ancient Irish Churches.	W. BEAUFORD.	A. III. 75	Jan. 20, 1790.
Lamp Furnace.			
An Account of a Chamber Lamp Furnace.	R. PERCEVAL.	S. IV. 91	March 5, 1791.
Language.			
On the Science of Language.	J. BYRNE.	P.L. XXIV. 67	May 14, 1866.
Lap Joints.			
Report on the Strength of Single-rivetted Lap Joints.	B. B. STONEY.	S. XXV. 451	June 22, 1874.
"Lateral Line."			
On the System of the "Lateral Line" in Fishes.	R. M'DONNELL.	S. XXIV. 161	May 26, 1862.
Lavas.			
Report on the Chemical, Mineralogical, and Microscopical Character of the Lavas of Vesuvius from 1631 to 1868.	S. HAUGHTON, E. HULL.	S. XXVI. 49	May 24, 1875.
Lead.			
On the Solution of Lead by Lime.	R. PERCEVAL.	S. V. 89	June 1, 1793.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Leo Africanus.			
On a Passage of Giovanni Leoni, commonly called Leo Africanus, Mentioning a Successful Attack upon the Coast of Africa by a Powerful British Fleet in the Tenth Century.	J. DUNN.	A. XV. 97	April 17, 1826.
Leonis.			
On o Leonis, Considered as a Revolving Double Star.	W. DOBERCK.	S. XXVI. 165	April 10, 1876.
Letchemy.			
A Letter from W. Caulfield Lennon, Esq., to the Earl of Charlemont, President [on Image of Letchemy].	W. C. LENNON.	A. VI. 3	Nov. 15, 1794.
Liberty.			
Essay on Human Liberty.	R. KIRWAN.	S. VII. 305	July 28, 1798.
Light.			
On the Double Refraction of Light in a Crystallized Medium, according to the Principles of Fresnel.	J. MAC CULLAGH.	S. XVI. 65	June 21, 1830.
On the Phenomena Presented by Light in its Passage along the Axes of Biaxal Crystals.	H. LLOYD.	S. XVII. 145	Jan. 28, 1833.
Geometrical Propositions applied to the Wave Theory of Light.	J. MAC CULLAGH.	S. XVII. 241	June 24, 1833.
On the Light Reflected and Transmitted by Thin Plates.	H. LLOYD.	S. XXIV. 3	April 11, 1859.
Lines of Curvature. (*See* **Ellipsoids.**)			
Lines of Direction.			
On the Correlation of Lines of Direction on the Earth's Surface.	J. P. O'REILLY.	S. XXVI. 611	Jan. 27, 1879.
Lion-Breeding.			
Observations on Lion-Breeding in the Gardens of the Royal Zoological Society of Ireland.	V. BALL.	S. XXVIII. 723.	May 10, 1886.
Logarithms.			
(*See* **Halley's Series.**)			
On the Application of a Converging Series to the Construction of Logarithms.	W. ALLMAN.	S. VI. 391	May 21, 1796.
Longitude.			
On the Method of Determining the Longitude by Observations of the Meridian Passage of the Moon and a Star, made at Two Places.	J. A. HAMILTON.	S. VI. 193	Nov. 1, 1794.
On the Difference of Longitude between the Observatories of Armagh and Dublin, determined by Rocket Signals.	T. R. ROBINSON.	S. XIX. 121	June 24, 1839.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Longitude of Armagh Observatory.			
On the Longitude of the Armagh Observatory, given by Fifteen Chronometers of Arnold and Dent.	T. R. ROBINSON.	S. XIX. 110	Dec. 10, 1838.
Lumbar Curve.			
The Lumbar Curve in Man and the Apes; with an Account of the Topographical Anatomy of the Chimpanzee, Orang-utan, and Gibbon.	D. J. CUNNINGHAM.	Cunningham Memoirs, No. II.	Feb. 8, 1886.
Lunar Perigee.			
Investigations in Physical Astronomy: Principally Relative to the Mean Motion of the Lunar Perigee.	J. BRINKLEY.	S. XIII. 25	April 21, 1817.
Lungs.			
On Accessory Lobes of the Human Lungs.	E. W. COLLINS.	S. XXV. 329	April 13, 1874.
Lusk.			
Description of an Ancient Monument in the Church of Lusk, Co. Dublin.	C. VALLANCEY.	A. II. 57	March 3, 1789.
Lyric Poetry.			
Thoughts on Lyric Poetry.	W. PRESTON.	P.L. I. 57	Dec. 11, 1786.
Mac Cullagh's Lectures. (*See* **Ellipsoids and Rotation.**)			
Mac Firbis.			
Remarks on the Book of Mac Firbis—an Irish Manuscript lately Transcribed for the Academy.	G. PETRIE.	A. XVIII. 3	Feb. 27, 1837.
Magnetical Observatory.			
Results of Observations made at the Magnetical Observatory of Dublin during the Years 1840–43. (1st Series, Magnetic Declination.)	H. LLOYD.	S. XXII. 74	May 11, May 25, 1846.
Magnetic Fluid.			
Observations on the Magnetic Fluid.	O'B. DRURY.	S. II. 119	Nov. 29, 1788.
Magnetic Intensity.			
Further Development of a Method of Observing the Dip and the Magnetic Intensity, at the same Time and with the same Instrument.	H. LLOYD.	S. XVII. 449	Dec. 28, 1835.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Magnetism.			
Thoughts on Magnetism.	R. KIRWAN.	S. VI. 177	March 19, 1796.
An Attempt to Facilitate Observations of Terrestrial Magnetism.	H. LLOYD.	S. XVII. 159	Oct. 28, 1833.
Magnets.			
On the Mutual Action of Permanent Magnets; Considered chiefly in Reference to their Best Relative Position in an Observatory.	H. LLOYD.	S. XIX. 159	Feb. 11, 1839.
Supplement to Ditto.	H. LLOYD.	S. XIX. 249	April 26, 1841.
Magnifying Power.			
An Account of Some Observations, made with a View to Ascertain whether Magnifying Power or Aperture Contributes most to the Discerning Small Stars in the Day.	H. USSHER.	S. II. 37	Feb. 2, 1788.
Maitland.			
Original Letters from James VI. of Scotland and Chancellor Maitland to Robert Bruce, Minister of the Gospel.	W. BRUCE.	A. XV. 243	May 26, 1828.
Mammalian Muscular System.			
On the Embryology of the Mammalian Muscular System. No. 1. The Short Muscles of the Human Hand.	B. C. A. WINDLE.	S. XXVIII. 211	June 26, 1882.
Manetho.			
On the Age of the Eighteenth Dynasty of Manetho.	E. HINCKS.	P.L. XXI. 1	Dec. 12, 1842.
Manures.			
What are the Manures most Advantageously Applicable to the Various Sorts of Soils; and What are the Causes of their Beneficial Effect in each Particular Instance.	R. KIRWAN.	S. V. 129	Jan. 4, 1794.
Marine Botany.			
Some Account of the Marine Botany of the Colony of Western Australia.	W. H. HARVEY.	S. XXII. 525	Dec. 11, 1854.
Mars.			
On the Aspect of Mars at the Oppositions of 1871 and 1873.	C. E. BURTON	S. XXVI. 427	Feb. 12, 1877.
Matthew's Gospel.			
Account of a Greek Manuscript of St. Matthew's Gospel, in the Library of Trinity College, Dublin.	J. BARRETT.	A. I. 121	Nov. 20, 1786.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Mayo.			
An Account of a Trigonometrical Survey of Mayo—one of the Maritime Counties of Ireland.	W. BALD.	S. XIV. 51	April 30, 1821.
Medallion Busts.			
Memoir on two Large Medallion Busts, which are preserved in the Manuscript Room of Trinity College, Dublin; also Two Inedited Patrician Inscriptions.	J. K. BAILIE.	P.L. XXII. 85	June 11, June 26, 1851.
Medals.			
A Memoir of the Medals and Medallists connected with Ireland.	H. R. DAWSON.	P.L. XIX. 1	March 16, 1838.
Medea.			
Observations on a Passage in the Medea of Seneca; and on the Argument against the Evidence of Prophecy drawn from it by Deistical Writers.	G. HAMILTON.	A. XIV. 3	Jan. 22, 1821.
Menacane.			
An Account of a New Semi-Metallic Substance, called Menacane, and its Ores.	G. MITCHEL.	S. X. 11	July 4, 1803.
Metallic Conductors.			
On the Relation between the Temperature of Metallic Conductors, and their Resistance to Electric Currents.	T. R. ROBINSON.	S. XXII. 1	Nov. 30, 1848.
Metelin.			
Account of a Singular Custom at Metelin; with Some Conjectures on the Antiquity of its Origin.	Earl of CHARLEMONT.	A. III. 3	Dec. 19, 1789.
Meteoric Stone.			
Analysis of a Meteoric Stone which fell near Adair, in the Co. Limerick, on Sept. 10, 1813.	J. APJOHN.	S. XVIII. 17	May 23, 1836.
Meteorological Observations.			
A Comparative View of Meteorological Observations made in Ireland since the Year 1788; with Some Hints towards Forming Prognostics of the Weather.	R. KIRWAN.	S. V. 3	Feb. 2, 1793.
Meteorological Observations made in Ireland in the Year 1793.	R. KIRWAN.	S. V. 227	Jan. 25, 1794.
Meteorological Observations made at Londonderry in the Year 1800.	W. PATTERSON.	S. VIII. 245	May 4, 1801.
Meteorological Tables.			
Reflections on Meteorological Tables Ascertaining the Precise Signification of the Terms, Wet, Dry, and Variable.	R. KIRWAN.	S. V. 31	July 23, 1793.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Meteorology.			
Notes on the Meteorology of Ireland, Deduced from the Observations made in the Year 1851, Under the Direction of the Royal Irish Academy.	H. LLOYD.	S. XXII. 411	June 27, Dec. 12, 1853.
Mias Tighearnain.			
Description of an Ancient Irish Shrine, called the *Mias Tighearnain.*	Sir W. R. WILDE.	A. XXI. 16	June 8, 1846.
Micrometer Measures.			
On Comparative Micrometer Measures.	J. A. HAMILTON.	S. X. 109	Feb. 4, 1805.
Milk.			
Observations on the Properties commonly attributed by Medical Writers to Human Milk, on the Changes it undergoes in Digestion, and the Diseases Supposed to Originate from this Source in Infancy.	J. CLARKE.	S. II. 171	Dec. 4, 1786.
Mineral Substance.			
An Account of a New Mineral Substance Discovered at Killiney.	T. TAYLOR.	S. XIII. 3	June 23, 1817.
Missal.			
On the Ancient Irish Missal and its Silver Box, described by Dr. O'Conor in his Catalogue of the Stowe MSS., and now the Property of the Earl of Ashburnham.	J. H. TODD.	A. XXIII. 3	June 23, 1856.
On the Stowe Missal.	B. MAC CARTHY.	P.L.A. XXVII. 135	June 8, 1885.
Monte Bolca.			
On the Fish Enclosed in Stone of Monte Bolca.	G. GRAYDON.	S. V. 281	March 1, 1794.
Monuments.			
On a Previously Undescribed Class of Monuments.	C. GRAVES.	A. XXIV. 421	Feb. 13, 1860.
Moon.			
Irregular Ode to the Moon.	W. PRESTON.	P.L. I. 75	Dec. 11, 1786.
Moving Bog.			
An Account of the Moving of a Bog, and the Formation of a Lake, in the County of Galway, Ireland.	R. OUSELEY.	S. II. 3	Oct. 1, 1787.
Muscular Anomalies.			
Observations on Muscular Anomalies in Human Anatomy. Third Series. With a Catalogue of the Principal Muscular Variations Hitherto Published.	A. MACALISTER.	S. XXV. 1	Jan. 23, 1871.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
National Education.			
Essay on a System of National Education Adapted to Ireland.	S. DICKSON.	P.L. IV. 15	July 9, 1792.
Navigation.			
The Use and Description of a Newly-Invented Instrument for Navigation, by which every Case in Plain, Middle Latitude, or Mercator's Sailing, may be Performed without Logarithms, Tables, or any Numerical Calculations whatsoever.	J. COOKE.	S. III. 117	Nov. 7, 1789.
On the Application of the Science of Geology to the Purposes of Practical Navigation.	A. NIMMO.	S. XIV. 39	Oct. 27, 1823.
Nebulæ.			
A Supplement to Sir John Herschel's General Catalogue of Nebulæ and Clusters of Stars.	J. L. E. DREYER.	S. XXVI. 381	Feb. 26, 1877.
Needle.			
Observations on the Variation of the Needle.	T. HARDING.	S. IV. 107	May 7, 1791.
Negative Pedal.			
Direct Demonstration of the Properties of the First Negative Pedal of a Central Conic from any Point in its Plane.	J. C. MALET.	S. XXVI. 431	Feb. 25, 1878.
Neutral Salts.			
On the Strength of Acids and the Proportion of Ingredients in Neutral Salts.	R. KIRWAN.	S. IV. 3	Dec. 24, 1790.
Additional Observations on the Proportion of Real Acids in the Three Antient Known Mineral Acids; and on the Ingredients in Various Neutral Salts, and other Compounds.	R. KIRWAN.	S. VII. 163	Dec. 16, 1797.
Newton's Rule. (*See* **Imaginary Roots and Spherical Errors.**)			
Nitroprussides.			
On the Nitroprussides of the More Important Bases of Opium.	E. W. DAVY.	S. XXVIII. 471	April 13, 1885.
Norse Geography.			
On the Norse Geography of Ancient Ireland.	G. DOWNES.	A. XIX. 84	April 26, 1841.
Norwegian Settlements.			
Norwegian Settlements on the East Coast of Greenland or Osterbygd, and their Situation.	SIR C. L. GIESECKE.	A. XIV. 47	Jan. 26, 1824.
Numbers.			
On Certain Properties of Numbers.	S. VINCE.	S. XII. 34	June 26, 1810.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Oblique Cylinder.			
A Theorem for Finding the Surface of an Oblique Cylinder, with its Geometrical Demonstration; also an Appendix containing Some Observations on the Methods of Finding the Circumference of a very Excentric Ellipse, including a Geometrical Demonstration of the Property of Elliptic Arcs discovered by Count Fagnani.	J. BRINKLEY.	S. IX. 145	Dec. 20, 1802.
Observations.			
On the Mean Results of Observations (Atmospheric Pressure, &c.).	H. LLOYD.	S. XXII. 61	June 12, 1848.
Observatory.			
An Account of the Observatory belonging to Trinity College, Dublin.	H. USSHER.	S. I. 3	June 13, 1785.
Œngus.			
On the Calendar of Œngus.	W. STOKES.	Ir. MS. Series, Vol. I., Pt. I.	Nov. 13, 1871.
Ogham.			
On an Ogham Inscription.	C. GRAVES.	P.L.A. XXVII. 31	May 13, 1878.
Account of an Ancient Inscription, in Ogham Character, on the Sepulchral Monument of an Irish Chief, Discovered by Mr. Theophilus O'Flanagan, Student of Trinity College, Dublin.	T. O'FLANAGAN.	A. I. 3	Dec. 19, 1785.
Fasciculus of Prints from Photographs of Casts of Ogham Inscriptions.	SIR S. FERGUSON.	P.L.A. XXVII. 47	June 28, 1880.
Oldhamia.			
The Genus Oldhamia (Forbes): its Character, Probable Affinities, Modes of Occurrence, and a Description of Localities in which it Occurs in the Cambrian Rocks of Wicklow and Dublin.	J. R. KINAHAN.	S. XXIII. 547	April 12, 1858.
Opium.			
On the Nitroprussides of the More Important Bases of Opium.	E. W. DAVY.	S. XXVIII. 471	April 13, 1885.
Oppian.			
An Essay on the Life and Writings of Oppian.	W. H. DRUMMOND.	P.L. XIII. 3	April 26, 1819.
Analysis of the Cynegetics of Oppian.	W. H. DRUMMOND.	P.L. XIII. 47	Jan. 24, 1820.
Orbits.			
On the Orbits in which Bodies Revolve, being Acted Upon by a Centripetal Force, varying as any Function of the Distance when those Orbits have Two Apsides.	J. BRINKLEY.	S. VIII. 215	March 9, 1801.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Orang-utan. (*See* Chimpanzee.)			
Oscillations of a Rigid Body.			
On the Small Oscillations of a Rigid Body about a Fixed Point under the Action of any Forces, and More Particularly when Gravity is the only Force Acting.	Sir R. S. BALL.	S. XXIV. 593	Jan. 24, 1870.
Ossian.			
Authenticity of the Poems of Ossian.	W. H. DRUMMOND.	P.L. XVI. 3	May 25, 1829.
Authenticity of the Poems of Ossian.	E. O'REILLY.	P.L. XVI. 163	May 25, 1829.
Ovarium.			
History of an Ovarium, wherein were Found Teeth, Hair, and Bones.	J. CLEGHORN.	S. I. 73	May 28, 1787.
Painting.			
Observations on the Power of Painting to express Mixed Passions.	M. KEARNEY.	S. VI. 87	Nov. 14, 1795.
Palæozoic Rocks.			
On the Lower Palæozoic Rocks of the South East of Ireland, and their Associated Igneous Rocks.	J. B. JUKES, S. HAUGHTON.	S. XXIII. 563	April 26, 1858.
Palliobranchiata.			
On the Histology of the Test of the Class Palliobranchiata.	W. KING.	S. XXIV. 439	April 22, 1867.
Parhelia.			
An Account of Parhelia seen Sept. 24th, 1783, at Cookstown.	J. A. HAMILTON.	S. I. 23	Feb. 6, 1786.
Account of Two Parhelia observed Feb. 25th, 1790.	H. USSHER.	S. III. 143	March 5, 1790.
Patrician Documents.			
On the Patrician Documents.	Sir S. FERGUSON.	P.L.A. XXVII. 67	Nov. 10, 1884. Jan. 12, Jan. 26, Feb. 9, 1885.
Pemphigus.			
Observations on Pemphigus.	S. DICKSON.	S. I. 47	May 1, 1786.
Pendulums.			
An Account and Description of Three Pendulums, Invented and Constructed by John Crosthwaite, Watch and Clock Maker, Dublin.	J. CROSTHWAITE.	S. II. 7	Nov. 1, 1787.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Perceval.			
Extract of a Letter from the Rev. Charles Perceval to Robert Perceval, M.D. [on a Case of Abnormal Vision].	C. PERCEVAL.	S. IV. 97	Dec. 4, 1790.
Persepolitan Writing.			
On the First and Second Kinds of Persepolitan Writing.	E. HINCKS.	P.L. XXI. 114	June 9, 1846.
On the Three Kinds of Persepolitan Writing; and on the Babylonian Lapidary Characters.	E. HINCKS.	P.L. XXI. 233	Nov. 30, Dec. 14, 1846.
Petty.			
On an Unpublished Essay on Ireland by Sir W. Petty, A.D. 1687.	W. H. HARDINGE.	A. XXIV. 371	May 8, 1865.
Phenician and Celtic Languages.			
On the Phenician and Celtic Languages; Illustrated by the Geographical Names in Ptolemy, and the Periplous of Arrian.	Sir W. BETHAM.	A. XVII. 21	May 23, June 27, 1836.
Plane Curves.			
On the Intersections of Plane Curves of the Third Order.	Sir A. S. HART.	S. XXVI. 449	May 27, 1878.
On Some Properties of Certain Plane Curves.	R. A. ROBERTS.	S. XXVIII. 709	Dec. 14, 1885.
Planetary Disturbance.			
On the Theory of Planetary Disturbance.	B. BRONWIN.	S. XXII. 25	Nov. 30, 1848.
Plants of Ireland.			
Catalogue of the Indigenous Plants of Ireland.	J. T. MACKAY.	S. XIV. 103	June 28, 1824.
Plants of Burren.	F. J. FOOT.	S. XXIV. 143	April 28, 1862.
Plants, Physiology.			
On the Naturalization of Plants.	J. TEMPLETON.	S. VIII. 111	Nov. 23, 1799.
Experiments on the Movements of Water in Plants. Part I.	W. R. M'NAB.	S. XXV. 343	Feb. 9, 1874.
Experiments on the Movements of Water in Plants. Part II.	W. R. M'NAB.	S. XXV. 567	May 10, 1875.
Plates of Gold.			
Account of Four Circular Plates of Gold Found in Ireland.	R. OUSELEY.	A. VI. 31	March 11, 1797.
Plautus.			
The Punic Passage in Plautus, Collated with Parallel Passages of the Hebrew Scriptures.	J. HAMILTON.	P.L. XVIII. 3	June 29, 1835.
Polarization.			
On the Compensations of Polarized Light; with the Description of a Polarimeter, for Measuring Degrees of Polarization.	Sir D. BREWSTER.	S. XIX. 377	Nov. 14, 1842.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Polite Arts.			
Are the Origin and Progress of the Polite Arts in any Country Connected With, and Depending On, the Political State of that Country?	W. PRESTON.	P.L. X. 3	March 4, 1805.
Polite Literature.			
Whether, and How Far, the Pursuits of Scientific and Polite Literature Assist or Obstruct each other.	W. PHELAN.	P.L. XII. 3	—
Polygon.			
On the Inscription of a Regular Polygon of Seventeen Sides in a Circle; or, Division of the Circumference into Seventeen Equal Parts.	S. JAMES.	S. XIII. 175	Jan. 24, 1820.
Polysiphonia.			
On the Formation of the so-called "Siphons"; and on the Development of the Tetraspores in Polysiphonia.	E. P. WRIGHT	S. XXVI. 511	April 8, 1878.
Polytheism.			
Evil Effects of Polytheism on the Morals of the Heathens.	• • •	P.L. III. 43	Feb. 13, 1790.
Of the Origin of Polytheism, Idolatry, and Grecian Mythology.	R. KIRWAN.	A. XI. 1	Dec. 7, 1808.
Polyzoa.			
On the Homology of the Organs of the Tunicata and the Polyzoa.	G. J. ALLMAN.	S. XXII. 275	Jan. 26, 1852.
Population.			
An Essay towards Ascertaining the Population of Ireland, in a Letter to the Right Hon. the Earl of Charlemont.	G. P. BUSHE.	S III. 145	June 5, 1790.
Powers.			
Essays on Powers and their Differences.	F. BURKE.	S. XI. 131	Nov. 6, 1809.
Primeval Language.			
On the Primeval Language of Mankind.	R. KIRWAN.	P.L. X. 121	Nov. 4, 1805.
Primitive Colorific Rays.			
On the Number of the Primitive Colorific Rays in Solar Light.	M. YOUNG.	S. VII. 119	April 7, 1798.
Prismatic Forms in Basalts.			
Explanatory Notes and Discussion of the Nature of the Prismatic Forms of a Group of Columnar Basalts, Giant's Causeway.	J. P. O'REILLY.	S. XXVI. 641	June 24, 1878.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Ptolemy's Geography.			
Letter to the Rev. George Graydon, LL.B., Secretary to the Committee of Antiquities, R.I.A. [on Ptolemy's Geography].	W. BEAUFORD.	A. III. 51	Jan. 16, 1790.
Pyro-acetic Spirit.			
On a Series of Combinations Derived from Pyro-acetic Spirit.	Sir R. KANE	S. XVIII. 99	Mar. 16, April 10, 1837.
Quadrant.			
An Explanation of the Method of Adjustment of the Back Horizon Glass of Hadley's Quadrant, by Two Near Objects; also a Description of a Projected Addition to the Quadrant for Reflecting that Adjustment, According to the Method of Mr. Blair.	J. LITTLE.	S. XII. 3	Jan. 28, 1811.
Quadric.			
On a Certain Surface Derived from a Quadric.	J. C. MALET.	S. XXVI. 456	May 12, 1878.
Quaternions.			
Researches Respecting Quaternions. First Series.	Sir W. R. HAMILTON.	S. XXI. 199	Nov. 13, 1843.
Radicals.			
On the Method of Taking Radicals out of Equations.	D. MOONEY.	S. VI. 221	June 18, 1796.
Rainbow.			
A Phenomenon of the Rainbow.	R. MANT.	S. XV. 175	April 2, 1827.
Rain Guages.			
Observations on Rain Guages.	T. GARNETT.	S. V. 257	Jan. 25, 1794.
Rathlin.			
Notes on the Statistics and Natural History of the Island of Rathlin, off the Northern Coast of Ireland.	J. D. MARSHALL.	A. XVII. 37	—
Rays.			
Theory of Systems of Rays.	Sir W. R. HAMILTON.	S. XV. 69	Dec. 3, 1824.
Supplement to an Essay on Theory of Systems of Rays.	Sir W. R. HAMILTON.	S. XVI. 4	April 26, 1830.
Second Supplement to an Essay on Theory of Systems of Rays.	Sir W. R. HAMILTON.	S. XVI. 93	Oct. 25, 1830.
Third Supplement to an Essay on Theory of Systems of Rays.	Sir W. R. HAMILTON.	S. XVII. 1	Jan. 23, Oct. 22, 1832.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Rays of Light.			
On a New Case of Interference of the Rays of Light.	H. LLOYD.	S. XVII. 171	Jan. 27, 1834.
Reciprocal Surface.			
On the Degree of the Surface Reciprocal to a Given One.	G. SALMON.	S. XXIII. 461	Nov. 30, 1855.
Red Book of the Exchequer.			
A Description of an Ancient Drawing in the Red Book of the Exchequer in Ireland.	H. J. M. MASON.	A. XIII. 181	Feb. 28, 1820.
Red Stars.			
Observations and Catalogue of the Red Stars.	J. BIRMINGHAM.	S. XXVI. 249	June 26, 1876.
Reflecting Level.			
A Description of a Reflecting Level, or an Artificial Horizon for Taking Altitudes of the Celestial Bodies, &c., on Land by Hadley's Quadrant; with Some Remarks on Different Levels.	J. LITTLE.	S. VIII. 77	Oct. 20, 1798.
Reflexion and Refraction.			
An Essay towards a Dynamical Theory of Crystalline Reflexion and Refraction.	J. MAC CULLAGH.	S. XXI. 17	Dec. 9, 1839.
Refraction.			
On the Double Refraction of Light in a Crystallized Medium, according to the Principles of Fresnel.	J. MAC CULLAGH.	S. XVI. 65	June 21, 1830.
On the Laws of the Double Refraction of Quartz.	J. MAC CULLAGH.	S. XVII. 461	Feb. 22, 1836.
On the Constant of Refraction, Determined by Observations with the Mural Circle of the Armagh Observatory.	T. R. ROBINSON.	S. XIX. 177	Jan. 11, 1841.
Analytical Investigations Respecting Astronomical Refractions and the Application Thereof to the Formation of Convenient Tables; together with the Results of Observations of Circumpolar Stars tending to Illustrate the Theory of Refractions.	J. BRINKLEY.	S. XII. 77	May 9, 1814.
A Method of Computing Astronomical Refractions for Objects near the Horizon.	J. BRINKLEY.	S. XIII. 165	Jan. 17, 1820.
Resistance. (*See* **Gravity.**)			
Rhizophydium.			
On a Species of Rhizophydium Parasitic on Species of Ectocarpus; with Notes on the Fructification of the Ectocarpi.	E P. WRIGHT.	S. XXVI. 369	Feb. 12, 1877.
Rhyme.			
Essay on the Rise and Progress of Rhyme.	T. SWIFT.	P.L. IX. 3	Nov. 9, 1801.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Ridicule, Wit and Humour.			
Essay on Ridicule, Wit and Humour. Part I.	W. PRESTON.	P.L. II. 69	Dec. 27, 1788.
Essay on Ridicule, Wit and Humour. Part II.	W. PRESTON.	P.L. II. 77	Jan. 10, 1789.
Right Ascension.			
Further Considerations on the Comparative Observations of the Differences of Right Ascension of the Moon's Enlightened Limb, with the Sun's Centre, and with Stars under Different Meridians.	J. A. HAMILTON.	S. XI. 25	Nov. 3, 1806.
Rigid Body.			
On the Small Oscillations of a Rigid Body about a Fixed Point under the Action of any Forces, and more particularly when Gravity is the only Force acting.	Sir R. S. BALL.	S. XXIV. 593	Jan. 24, 1870.
Screw Co-ordinates, and their Applications to Problems in the Dynamics of a Rigid Body.	Sir R. S. BALL.	S. XXV. 295	Jan. 12, 1874.
Rigid System.			
Certain Problems in the Dynamics of a Rigid System moving in Elliptic Space.	Sir R. S. BALL.	S. XXVIII. 159	Nov. 14, 1881.
Ring Money.			
On the Ring Money of the Celtæ, and their System of Weights, which Appears to have been what is now Troy Weight.	Sir W. BETHAM.	A. XVII. 7	May 23, June 27, 1836.
On the Ring Money of the Celtæ.	Sir W. BETHAM.	A. XVII. 91	Nov. 28, 1836. Jan. 9, 1837.
Rock-jointing.			
Report on the Superinduced Divisional Structure of Rocks called Jointing, and its Relation to Slaty Cleavage.	W. KING.	S. XXV. 605	June 14, 1875.
Romantic Fabling.			
On the Origin of Romantic Fabling in Ireland.	J. C. WALKER.	A. X. 1	June 10, 1805.
Roots.			
(*See* **Imaginary Roots.**)			
On the Extraction of Cubic and other Roots. (Communicated.)	M. YOUNG.	S. I. 59	Jan. 1, 1787.
Roscommon.			
A Letter from William Edgeworth, C.E. [Triangles used in Construction of Map of Roscommon.]	W. EDGEWORTH.	S. XIV. 63	Jan. 1, 1823.
Rosetta Stone.			
On the True Date of the Rosetta Stone, and on the Inferences Deducible from it.	E. HINCKS.	P.L. XIX. 72	May 9, 1842.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Rosg-Catha,			
Rosg Catha, or Martial Ode, Sung at the Battle of Cnucha, by Fergus, Son of Finn, and addressed to Goll, the Son of Morna; with a Literal Translation and Notes.	S. O'HALLORAN.	A. II. 7	Jan. 10, 1789.
Rotation.			
On the Rotation of a Solid Body round a Fixed Point; being an Account of the Late Professor Mac Cullagh's Lectures on that Subject.	S. HAUGHTON.	S. XXII. 139	April 23, 1849.
On Some Deductions from Mac Cullagh's Lectures on Rotation.	F. A. TARLETON.	S. XXVIII. 185	Feb. 27, 1882.
Round Towers. (*See* **Ecclesiastical Architecture.**)			
Saccharine Matters.			
On a New Step in the Proximate Analysis of Saccharine Matters.	J. APJOHN.	S. XXIV. 587	Dec. 13, 1869.
Saguntum.			
Observations on the Description of the Theatre of Saguntum, as given by Emanuel Marti, Dean of Alicant, in a Letter Addressed to D. Antonio Felix Zondadario.	W. CONYNGHAM.	A. III. 21	Dec. 19, 1789.
Letter to Joseph C. Walker, Esq., M.R.I.A.; being an Appendix to Memoir on the Theatre of Saguntum.	W. CONYNGHAM.	A. III. 47	1790.
St. Patrick.			
On the Bell of St. Patrick, called the 'Clog an Edachta.'	W. REEVES.	P.L.A. XXVII. 1	Nov. 9, 1863.
Sanscrit.			
An Essay on the Nature, Age, and Origin of the Sanscrit Writing and Language.	C. W. WALL.	P. L. XVIII. 65	Nov. 13, 1837.
Saturn's Ring.			
Observations made on the Disappearance and Reappearance of Saturn's Ring in the year 1789, with Some Remarks on his Diurnal Rotation.	H. USSHER.	S. III. 135	Dec. 5, 1789.
Science.			
Some Hints concerning the State of Science at the Revival of Letters, grounded on a Passage of Dante in the 'Inferno,' Canto IV., *v.* 130.	Earl of CHARLEMONT.	P.L. VI. 3	April 9, 1796.
Scots.			
An Enquiry Concerning the Original of the Scots in Britain.	T. BARNARD.	A. I. 25	March 20, 1786.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Screw Co-ordinates.			
Screw Co-ordinates and their Applications to Problems in the Dynamics of a Rigid Body.	Sir R. S. BALL.	S. XXV. 295	Jan. 12, 1874.
Screws.			
The Theory of Screws: a Geometrical Study of Kinematics, Equilibrium, and Small Oscillations of a Rigid Body.	Sir R. S. BALL.	S. XXV. 157	Nov. 13, 1871.
Extension of the Theory of Screws to the Dynamics of any Material System.	Sir R. S. BALL.	S. XXVIII. 99	June 13, 1881.
A Method of Cutting Very Fine Screws, and Screws of Two or More Threads.	G. AUSTIN.	S. IV. 145	Nov. 5, 1791.
Selenium.			
Report on the Allotropism of Selenium, and on the Influence of Light on the Electrical Conductivity of this Element.	H. N. DRAPER, R. J. MOSS.	S. XXVI. 231	June 12, 1876.
On Some Hitherto Undescribed Compounds of Selenium.	Sir C. A. CAMERON, E. W. DAVY.	S. XXVIII. 137	June 27, 1881.
Semi-Diurnal Tides.			
Semi-Diurnal Tide at Cahirciveen; Deduced from the Academy Observations of the Coasts of Ireland.	S. HAUGHTON.	S. XXIV. 195	April 25, 1864.
The Tides of Castletownsend. Part II.	S. HAUGHTON.	S. XXIV, 253	Feb. 26, 1866.
,, Bunown, Co. Galway. Part III.	S. HAUGHTON.	S. XXIV. 265	
,, Rathmullen, Co. Donegal. Part IV.	S. HAUGHTON.	S. XXIV. 274	
,, Portrush, Co. Antrim. Part V.	S. HAUGHTON.	S. XXIV. 284	
,, Cushendall, do. Part VI.	S. HAUGHTON.	S. XXIV. 294	
,, Donaghadee, Co. Down. Part VII.	S. HAUGHTON.	S. XXIV. 303	
,, Kingstown, Co. Dublin. Part VIII.	S. HAUGHTON.	S. XXIV. 313	
,, Courtown, Co. Wexford. Part IX.	S. HAUGHTON.	S. XXIV. 323	
,, Dunmore East, Co. Waterford. Part X.	S. HAUGHTON.	S. XXIV. 335	
Senchus Mor.			
On the Rudiments of the Common Law Discoverable in the Published Portion of the "Senchus Mor."	Sir S. FERGUSON.	P.L. XXIV. 83	Feb. 11, 1867.
Sepulchral Cellæ.			
On Sepulchral Cellæ.	Sir S. FERGUSON.	P.L.A. XXVII. 57	June 28, 1880.
Sepulchre.			
An Account of an Ancient Sepulchre Discovered in the County of Kildare, Ireland, in the year 1788.	W. BEAUFORD.	A. II. 51	March 3, 1789.
Series, General Doctrine of Reversion of. (*See* **Variable Quantity.**)			

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Seychelles.			
Contributions towards a Knowledge of the Flora of the Seychelles.	E. P. WRIGHT.	S. XXIV. 571	Dec. 14, 1868.
On the Fern Flora of the Seychelles.	J. G. BAKER.	S. XXV. 509	June 22, 1874.
Shandon Cave.			
Report on the Exploration of Shandon Cave.	A. L. ADAMS.	S. XXVI. 187	Feb. 28, 1876.
Ships.			
A Memoir on the Construction of Ships.	Sir G. SHEE.	S. VI. 15	Nov. 1, 1794.
Sight.			
An Essay to Improve the Theory of Defective Sight.	J. STACK.	S. II. 27	Jan. 5, 1788.
Silver Medal.			
On the Silver Medal lately Dug up in the Park of Dungannon, County of Tyrone, Seat of the Right Hon. Lord Welles.	C. VALLANCEY.	A. II. 69	March 3, 1789.
Sinai and South Palestine.			
On the Botany of Sinai and South Palestine	H. C. HART.	S. XXVIII. 373	Feb. 23, 1885.
Skeleton.			
Essays Respecting the Changes which the Human Skeleton Undergoes at Different Periods of Life; and the Deformities to which it is subject during its Development.	W. WALLACE.	S. XIII. 129 S. XIII. 153	Feb. 22, June 28, } 1819.
Small Stars.			
An Account of Some Observations made with a View to Ascertain whether Magnifying Power or Aperture Contributes most to the Discerning Small Stars in the Day.	H. USSHER.	S. II. 37	Feb. 2, 1788.
Solar Nutation.			
The Quantity of Solar Nutation as Affecting the North Polar Distances of the Fixed Stars; Deduced from Observation, and the Application of this Determination to confirm the Conclusions relative to the Parallaxes of certain Fixed Stars.	J. BRINKLEY.	S. XIV. 5	April 1, 1822.
Space and Duration.			
On Space and Duration.	R. KIRWAN.	S. X. 189	March 4, 1805.
Specific Heats of the Gases.			
Upon a New Method of Investigating the Specific Heats of the Gases.	J. APJOHN.	S. XVIII. 1	March 16, 1837.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Specula.			
Observations on the Metallic Composition for the Specula of Reflecting Telescopes, and the manner of Casting them; also a Method of Communicating to them any particular Conoidal Figure; with an Attempt to Explain, on Scientific Principles, the Grounds of each Process; and Occasional Remarks on the Construction of Telescopes.	J. LITTLE.	S. X. 119	Feb. 4, 1805.
Sphere.			
On Determining Innumerable Portions of a Sphere, the Solidities and Spherical Superficies of which Portions are at the same time Algebraically Assignable.	J. BRINKLEY.	S. VIII. 513	Nov. 2, 1801.
Spherical Errors.			
Demonstration of Newton's Theorem for the Correction of Spherical Errors in the Object Glasses of Telescopes.	M. YOUNG.	S. IV. 171	Dec. 8, 1791.
Spheroids.			
On a Difficulty in the Theory of the Attraction of Spheroids.	J. MAC CULLAGH.	S. XVII. 237	May 28, 1832.
Spine.			
Observations on Curvatures of the Spine.	J. MACARTNEY.	S. XIII. 13	May 19, 1817.
Spleen.			
Case of an Enlarged Spleen.	G. BURROWES.	S. IV. 183	June 2, 1792.
Sponge.			
On a New Genus and Species of Sponge with Supposed Heteromorphic Zooids.	E. P. WRIGHT.	S. XXVIII. 13	Nov. 10, 1879.
Spouting Fluids.			
An Enquiry into the Different Modes of Demonstration by which the Velocity of Spouting Fluids has been Investigated *a priori*.	M. YOUNG.	S. II. 81	March 1, 1788.
Stage.			
An Historical Essay on the Irish Stage.	J. C. WALKER.	A. II. 75	May 3, 1789.
Staigue Fort.			
Description of a Remarkable Building on the North Side of Kenmare River, commonly called Staigue Fort.	F. C. BLAND.	A. XIV. 17	Nov. 10, 1821.
Steam Engine.			
Description of a Steam Engine.	J. COOKE.	S. III. 113	Feb. 7, 1789.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Stele.			
On the Egyptian Stele or Tablet.	E. HINCKS.	P.L. XIX. 49	June 28, 1841.
Stomach.			
Account of a Fistulous Opening in the Stomach.	G. BURROWES.	S. IV. 177	Jan. 7, 1792.
Stowe Missal.			
On the Stowe Missal.	B. MAC CARTHY.	P.L.A. XXVII. 135	June 8, 1885.
Stronthian.			
Experiments on a New Earth found near Stronthian, in Scotland.	R. KIRWAN.	S. V. 243	Jan. 9, 1794.
Style in Writing.			
On Style in Writing, Considered with Respect to Thoughts and Sentiments as well as Words, and Indicating the Writer's Peculiar and Characteristic Disposition, Habits, and Powers of Mind.	R. BURROWES.	P.L. V. 39	May 11, 1793.
Sublime.			
An Essay on the Origin and Nature of Our Idea of the Sublime.	G. MILLER.	P.L. V. 17	July 13, 1793.
Sublimity of Writing.			
An Essay on Sublimity of Writing.	R. STACK.	P.L. I. 3	Feb. 13, 1786.
Suetonius.			
The Comparative Authenticity of Tacitus and Suetonius, Illustrated by the Question—"Whether Nero was the Author of the Memorable Conflagration at Rome."	A. BROWNE.	P.L. V. 3	June 8, 1793.
Sulphur.			
Observations and Experiments Undertaken with a View to Determine the Quantity of Sulphur contained in Sulphuric Acid; and of this Latter contained in Sulphates in General.	R. CHENEVIX.	S. VIII. 233	May 4, 1801.
Sulphureous Medicinal Water.			
A Method of Preparing a Sulphureous Medicinal Water.	E. KENNEY.	S. V. 83	April 6, 1793.
Sun.			
Eclipse of the Sun, June 3rd, 1788.	H. USSHER.	S. II. 187	Dec. 1, 1788.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Sundial.			
On a Moveable Horizontal Sundial, capable of Indicating Apparent Solar Time within a Small Fraction of a Minute.	M. DONOVAN.	S. XXIV. 17	Feb. 23, 1857.
Sunheat.			
New Researches on Sunheat and Terrestrial Radiation; and on Geological Climates.	S. HAUGHTON.	S. XXVIII. 47	Jan. 10, 1881.
New Researches on Sunheat, Terrestrial Radiation, &c.	S. HAUGHTON.	Cunningham Memoirs, No. 3.	Nov. 9, 1885.
Surveying.			
Extract from a Paper on Surveying.	T. MEAGHER.	S. V. 325	—
Surveys.			
On Manuscript Mapped and other Townland Surveys in Ireland of a Public Character, embracing the Gross, Civil, and Down Surveys from 1640 to 1688.	W. H. HARDINGE.	A. XXIV. 3	Nov. 10, Nov. 29, 1862.
A Concluding Memoir on Manuscript Mapped and other Townland Surveys in Ireland from 1688 to 1864.	W. H. HARDINGE.	A. XXIV. 265	Dec. 12, 1864.
Swastika.			
On the Croix Gammée, or Swastika.	C. GRAVES.	P.L.A. XXVII. 41	May 13, 1878.
Syriac MS.			
On a Syriac MS. belonging to the Collection of Archbishop Usher.	J. GWYNN	P.L.A. XXVII. 269	May 10, 1886.
Table-Book.			
Remarks on Some Fragments of an Ancient Waxed Table-Book, Found in a Bog at Maghera, County of Derry, and Presented to the Royal Irish Academy by the Rev. J. Spencer Knox, A.M.	J. H. TODD.	A. 'XXI. 3	May 26, 1845.
Tacitus.			
The Comparative Authenticity of Tacitus and Suetonius, Illustrated by the Question—"Whether Nero was the Author of the Memorable Conflagration at Rome."	A. BROWNE.	P.L. V. 3	June 8, 1793.
Tara Hill.			
On the History and Antiquities of Tara Hill.	G. PETRIE.	A. XVIII. 25	April 24, May 8, May 22, 1837.
Telegraph.			
(*See* **Conveying Intelligence.**)			
Supplement to Mr. Edgeworth's Essay upon the Telegraph.	— EDGEWORTH.	S. VI. 313	Dec. 3, 1796.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Temperature.			
An Account of Experiments made to Determine the Temperature of the Earth's Surface in the Kingdom of Ireland in the Year 1788.	W. HAMILTON.	S. II. 143	Dec. 6, 1788.
On the Distribution of Temperature in the Lower Region of the Earth's Atmosphere.	H. HENNESSY.	S. XXIV. 371	Jan. 14, 1867.
Attempt to Deduce the General Laws of the Variations of Temperature at the Earth's Surface from those of Solar and Terrestrial Radiation.	H. LLOYD.	S. XXVI. 465	June 24, 1878.
Tempest.			
Observations on the First Act of Shakespear's *Tempest*.	• • •	P.L. II. 39	March 10, 1788.
Terebenes.			
Contributions to the History of the Terebenes. (On Colophonine and Colophonic Hydrate.)	C. R. C. TICHBORNE.	S. XXIV. 579	Jan. 11, 1869.
Terrestrial Radiation. (*See* **Sunheat.**)			
Testimony.			
On the Force of Testimony in Establishing Facts Contrary to Analogy.	M. YOUNG.	S. VII. 79	Feb. 3, 1798.
Testis.			
On the Intertubular Tissue of the Mammalian Testis.	R. J. HARVEY.	S. XXVI. 31	June 28, 1875.
Tetraspores.			
On the Formation of the So-Called "Siphons"; and on the Development of the Tetraspores in Polysiphonia.	E. P. WRIGHT.	S. XXVI. 511	April 8, 1878.
Thermometer.			
Journal of the Thermometer, Hygrometer, Barometer, Winds, and Rains, kept at Windsor, Nova Scotia.	W. COCHRAN.	S. IX. 133	—
Thin Plates.			
On the Light Reflected and Transmitted by Thin Plates.	H. LLOYD.	S. XXIV. 3	April 11, 1859.
Tidal Observations.			
Discussion of Tidal Observations made by Direction of the Royal Irish Academy, 1850–51.	S. HAUGHTON.	S. XXIII. 35	April 24, 1854.
Tide.			
On the Semidiurnal Tide at Cahirciveen, Deduced from the Academy Observations of the Coasts of Ireland.	S. HAUGHTON.	S. XXIV. 195	April 25, 1864.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Tides.			
On the Semidiurnal Tides of the Coasts of Ireland, Deduced from the Academy Observations.	S. HAUGHTON.	S. XXIV. 253	Feb. 26, 1866.
(*See* Semi-Diurnal Tides.)			
Tragedy.			
Reflections on the Choice of Subjects for Tragedy among the Greek Writers.	W. PRESTON.	P.L. VI. 13	May 14, 1796.
On the Choice of Subjects for Tragedy.	W. PRESTON.	P.L. VIII. 3	Jan. 11, 1800.
Transit Instrument.			
An Account of a New Method of Illuminating the Wires and Regulating the Position of the Transit Instrument.	H. USSHER.	S. II. 13	1787.
Trap Rocks.			
On a Hitherto Unobserved Structure Discovered in certain Trap Rocks in the County of Galway.	R. MALLET.	S. XVIII. 75	April 10, 1837.
Trepanning.			
Description of an Instrument for Performing the Operation of Trepanning the Skull with more Ease, Safety, and Expedition than those now in General Use.	S. C. KING.	S. IV. 119	May 7, 1791.
Trephine.			
An Attempt to Determine with Precision such Injuries of the Head as Necessarily Require the Operation of the Trephine.	S. O'HALLORAN.	S. IV. 151	—
Triangle.			
On Three Circles Related to a Triangle.	W. S. M'CAY.	S. XXVIII. 453	May 11, 1885.
Trigonometrical Theorems.			
General Demonstrations of the Theorems for the Sines and Cosines of Multiple Circular Arcs, and also of the Theorems for expressing the Powers of Sines and Cosines by the Sines and Cosines of Multiple Arcs; to which is added a Theorem by help whereof the same Method may be Applied to Demonstrate the Properties of Multiple Hyperbolic Areas.	J. BRINKLEY.	S. VII. 27	May 6, 1797.
Trumpets.			
An Account of Three Metal Trumpets Found in the County of Limerick in the Year 1787	R. OUSELEY.	A. II. 3	March 29, 1788.
An Account of Some Ancient Trumpets Dug up in a Bog near Armagh.	A. BROWNE.	A. VIII. 11	Dec. 21, 1800.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Tunicata.			
On the Homology of the Organs of the Tunicata and the Polyzoa.	G. J. ALLMAN.	S. XXII. 275	Jan. 26, 1852.
Turf Ashes.			
Analysis of Turf Ashes.	Earl of CHARLEVILLE.	S. VIII. 135	Nov. 23, 1799.
Urn.			
Account of an Ancient Urn Found in the Parish of Kilranelagh, in the County of Wicklow.	T. GREEN.	A. I. 161	— 1787.
Variable Quantity.			
A Method of Expressing, when Possible, the Value of One Variable Quantity in Integral Powers of Another, and Constant Quantities having Given Equations expressing the Relation of these Variable Quantities; in which is contained the General Doctrine of Reversion of Series, of Approximating to the Roots of Equations, and of the Solution of Fluxional Equations by Series.	J. BRINKLEY.	S. VII. 321	Nov. 3, 1798.
On the Manner in which Algebraic Functions of the Principal Variable are in Certain Cases introduced into the Integrals of Linear Differential Equations that have Constant Co-efficients.	E. HINCKS.	S. XIII. 115	March 16, 1818.
Velocity.			
Remarks on the Velocity with which Fluids Issue from Apertures in the Vessels which Contain them.	M. YOUNG.	S. VII. 53	Jan. 20, 1798.
Vertebrata.			
On a Collection of Fossil Vertebrata from the Jarrow Colliery, Co. Kilkenny.	T. H. HUXLEY, E. P. WRIGHT.	S. XXIV. 351	Jan. 8, 1866.
Vicar's Cairn.			
Some Account of the Vicar's Cairn in the County of Armagh, Communicated to the Committee of Antiquities in Two Letters—one from Dr. Browne, Senior Fellow of Trinity College, Dublin; the other from the Rev. John Young, Curate of Mullabrack.	A. BROWNE, J. YOUNG.	A. VIII. 3	Dec. 21, 1799.
Vision.			
Extract of a Letter from the Rev. Charles Perceval to Robert Perceval, M.D.	C. PERCEVAL.	S. IV. 97	Dec. 4, 1790.
Vitrified Fort.			
Observations on Some Remains in the County of Cavan, Supposed to be those of a Vitrified Fort.	C. OTWAY.	A. XIII. 123	April 28, 1817.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Volcanic Theory.			
On the Volcanic Theory.	W. RICHARDSON.	S. X. 35	Dec. 10, 1804.
Voltaic Circles.			
On the Properties of Voltaic Circles in which Concentrated Sulphuric Acid is the Liquid Conductor.	T. ANDREWS.	S. XVIII. 149	April 9, 1838.
Vortex Rings of Air.			
Account of Experiments upon the Retardation Experienced by Vortex Rings of Air, when Moving through Air.	Sir R. S. BALL.	S. XXV. 135	Jan. 23, 1871.
Water Spout.			
An Account of a very Remarkable Water Spout which Appeared at Ramsgate July 16th, 1810.	S. VINCE.	S. XII. 39	—
Waves.			
On the Propagation of Waves.	G. J. STONEY.	S. XXIV. 37	May 28, 1860.
Wave Theory of Light.			
Geometrical Propositions applied to the Wave Theory of Light.	J. MAC CULLAGH.	S. XVII. 241	June 24, 1833.
Weather.			
Account of the Weather at Londonderry in the Year 1799.	W. PATERSON.	S. VII. 357	—
An Abstract of Observations of the Weather in 1798.	H. EDGEWORTH.	S. VII. 317	—
State of the Weather in Dublin from the 1st June, 1791, to 1st June, 1793.	R. KIRWAN.	S. V. 39	—
Synoptical View of the State of the Weather in Dublin.	R. KIRWAN.	S. VI. 169	Jan. 9, 1796.
" " " " " " in 1796.	R. KIRWAN.	S. VI. 309	—
" " " " " " 1797.	R. KIRWAN.	S. VI. 435	—
" " " " " " 1798.	R. KIRWAN.	S. VII. 316	—
" " " " " " 1799.	R. KIRWAN.	S. VII. 359	—
" " " " " " 1800.	R. KIRWAN.	S. VIII. 203	—
" " " " " " 1801.	R. KIRWAN.	S. VIII. 509	—
" " " " " " 1802.	R. KIRWAN.	S. X. 31	Jan. 2, 1804.
" " " " " " 1803.	R. KIRWAN.	S. X. 33	Jan. 2, 1804.
" " " " " " 1804.	R. KIRWAN.	S. X. 189	Feb. 11, 1805.

Title of Paper.	Author.	Series, Volume, and Page.	Read.
Wheel Carriages.			
An Account of Some Experiments on Wheel Carriages.	R. L. EDGEWORTH.	S. II. 73	March 1, 1788.
Whitehaven Coal Works.			
Observations and Enquiries Concerning the Coal Works at Whitehaven, in the County of Cumberland, made in the Year 1793.	J. FISHER.	S. V. 266	Dec. 7, 1793.
Whynn Dykes.			
Account of the Whynn Dykes in the Neighbourhood of the Giant's Causeway, Ballycastle, and Belfast, in a Letter to the Lord Bishop of Dromore.	W. RICHARDSON.	S. IX. 21	April 12, 1802.
Woollen Manufacture.			
The Antiquity of the Woollen Manufacture in Ireland, Proved from a Passage of an Ancient Florentine Poet.	Earl of CHARLEMONT.	A. I. 17	Feb. 20, 1786.
Worms.			
History of a Case in which very Uncommon Worms were Discharged from the Stomach; with Observations Thereon.	S. CRUMPE.	S. VI. 57	Dec. 6, 1794.
Writing from Right to Left.			
Conjectures on the Origin of the Oriental Practice of Writing from Right to Left, deduced from a Consideration of the Names and Forms of the Hebrew Characters.	W. S. SANKEY.	A. XIII. 151	April 26, 1819.
Years and Cycles.			
On the Years and Cycles Used by the Ancient Egyptians.	E. HINCKS.	P.L. XVIII. 153	April 9, 1838.
Years and Months.			
On the Various Years and Months in Use among the Egyptians.	E. HINCKS.	P.L. XXIV. 25	June 26, 1865.
Zero.			
On Differences and Differentials of Functions of Zero.	Sir W. R. HAMILTON.	S. XVII. 235	June 13, 1831.
Ziphius sowerbyi.			
Ziphius sowerbyi (Mesoplodon sowerbiensis, Van Beneden).	W. ANDREWS.	S. XXIV. 429	April 8, 1867.

APPENDIX.

[A.]—PRESIDENTS and other OFFICERS of the ROYAL IRISH ACADEMY, from 1785 to 1887.

I.—PRESIDENTS.

II.—TREASURERS.

III.—SECRETARIES OF THE ACADEMY.

IV.—SECRETARIES OF THE COUNCIL.

V.—LIBRARIANS.

VI.—SECRETARIES OF FOREIGN CORRESPONDENCE.

[B.]—NAMES of PERSONS to whom the CUNNINGHAM GOLD MEDALS have been awarded.

APPENDIX.

[A.]

PRESIDENTS and other OFFICERS of the ROYAL IRISH ACADEMY, from 1785 to 1887.

I.—PRESIDENTS.

Name.	Elected.	
*RIGHT HON. THE EARL OF CHARLEMONT, LL. D., F. R. S.,	May 2, 1785.	Died, 1799.
*RICHARD KIRWAN, LL. D., F. R. S.,	October 26, 1799.	,, 1812.
RIGHT HON. THE EARL OF CHARLEVILLE,	June 22, 1812.	,, 1835.
*RIGHT REV. JOHN BRINKLEY, D. D., F. R. S.(a),	March 16, 1822.	,, 1835.
*REV. BARTHOLOMEW LLOYD, D. D.(b),	November 9, 1835.	,, 1837.
SIR WILLIAM ROWAN HAMILTON, LL. D., D. C. L.(c),	December 11, 1837.	,, 1865.
REV. HUMPHREY LLOYD, D. D., F. R. S.(d),	March 16, 1846.	,, 1881.
REV. THOMAS ROMNEY ROBINSON, D. D., F. R. S.,	March 15, 1851.	,, 1882.
REV. JAMES HENTHORN TODD, D. D.,	March 15, 1856.	,, 1869.
RIGHT REV. CHARLES GRAVES, D. D., F. R. S.(e),	March 16, 1861.	—
RIGHT HON. LORD TALBOT DE MALAHIDE, LL. D., F. R. S.,	March 16, 1866.	,, 1883.
REV. JOHN HEWITT JELLETT, D. D.(f),	November 30, 1869.	—
WILLIAM STOKES, M. D., LL.D., D. C. L., F. R. S.,	March 16, 1874.	,, 1878.
SIR ROBERT KANE, M. D., LL. D., F. R. S.(g),	March 16, 1877.	—
*SIR SAMUEL FERGUSON, LL. D., Q. C.,	March 16, 1882.	,, 1886.
REV. SAMUEL HAUGHTON, M. D., D. C. L., LL. D., F. R. S.,	November 8, 1886.	—

* Died while President of the Academy.

(a) Bishop of Cloyne, 1829.
(b) Provost of Trinity College, Dublin, 1831.
(c) Astronomer Royal for Ireland.
(d) Provost of Trinity College, Dublin, 1867.
(e) Dean of the Chapel Royal, Dublin, 1860; Bishop of Limerick, 1866.
(f) Provost of Trinity College, 1881.
(g) President of Queen's College, Cork, 1850–1873.

II.—TREASURERS.

Name.	Elected.	
RIGHT HON. WILLIAM BURTON CONYNGHAM, M.P.,	May 2, 1785.	Died, 1796.
COLONEL JAMES BLAQUIERE,	November 5, 1796.	—
ROBERT SHAW,	March 16, 1803.	—
SAMUEL GUINNESS,	May 12, 1806.	—
COLONEL HUGH HILL,	May 29, 1806.	—
REV. THOMAS PRIOR, D.D.(a),	March 16, 1810.	Died, 1843.
WILLIAM BROOKE, M.D.,	March 15, 1817.	,, 1829.
THOMAS HERBERT ORPEN, M.D.,	July 27, 1829.	,, 1846.
AQUILLA SMITH, M.D.,	November 30, 1841.	—
JAMES PIM,	March 16, 1842.	Died, 1856.
ROBERT BALL, LL.D.,	April 8, 1844.	,, 1857.
REV. JOSEPH CARSON, D.D., F.T.C.D.,	April 27, 1857.	—
WILLIAM HENRY HARDINGE,	May 27, 1867.	Died, 1871.
JOHN RIBTON GARSTIN, M.A.,	March 16, 1871.	—
REV. MAXWELL HENRY CLOSE, M.A.,	November 30, 1878.	—

(a) Vice-Provost of Trinity College, Dublin, 1840.

III.—SECRETARIES OF THE ACADEMY.*

Name.	Elected.	
ROBERT PERCEVAL, M.D.,	May 2, 1785.	Died, 1839.
REV. JOHN STACK, M.A., F.T.C.D.,	March 16, 1789.	,, 1813.
WILLIAM JAMES M'NEVIN, M.D.,	June 11, 1791.	,, 1841.
REV. GEORGE HALL, D.D.(a),	March, 16, 1792.	,, 1811.
REV. ROBERT BURROWES, D.D., F.T.C.D.,	March 15, 1794.	,, 1841.
REV. THOMAS ELRINGTON, D.D.(b),	March 16, 1796.	,, 1835.
REV. GEORGE MILLER, D.D., F.T.C.D.,	March 15, 1802.	,, 1848.
WILLIAM PRESTON,	March 16, 1805.	,, 1807.
REV. WILLIAM DAVENPORT, D.D., F.T.C.D.,	February 23, 1807.	,, 1824.
RIGHT HON. AND MOST REV. JOSEPH HENDERSON SINGER, D.D.(c),	March 16, 1816.	,, 1866.
JAMES MAC CULLAGH, LL.D., F.T.C.D.,	May 9. 1842.	,, 1847.
REV. JAMES HENTHORN TODD, D.D., F.T.C.D.(d),	March 16, 1846.	,, 1869.
RIGHT REV. CHARLES GRAVES. D.D., F.R.S.(e),	March 18, 1856.	—
RIGHT REV. WILLIAM REEVES, M.B., D.D.(f),	March 16, 1861.	—
WILLIAM KIRBY SULLIVAN, Ph.D.(g),	March 16, 1867.	—
EDWARD PERCEVAL WRIGHT, M.A., M.D.,	March 16, 1874.	—
SIR ROBERT STAWELL BALL, LL.D., F.R.S.(h),	June 25, 1877.	—
ALEXANDER MACALISTER, M.D., F.R.S.,	June 28, 1880.	—
EDWARD PERCEVAL WRIGHT, M.A., M.D.,	November 30, 1883.	—

* By the Charter [enrolled January 28, 1786], Robert Perceval, Doctor of Physic, was declared "to be the first and modern Secretary to the Academy." A Resolution was passed by the Academy, on November 23, 1799: "That there shall be two Secretaries of the Royal Irish Academy, who shall attend all Meetings of the Academy and Council." *See* "Secretaries of the Council."

(a) Provost of Trinity College, Dublin, 1806; Bishop of Dromore, 1811.

(b) Provost of Trinity College, 1811.

(c) Bishop of Meath, 1852.

(d) President of the Academy, 1856–1861.

(e) Bishop of Limerick, 1866; President of the Academy, 1861–1866.

(f) Dean of Armagh, 1875; Bishop of Down, Connor, and Dromore, 1886.

(g) President of Queen's College, Cork, 1873.

(h) Astronomer Royal for Ireland.

IV.—SECRETARIES OF THE COUNCIL.*

Name.	Elected.	
REV. GEORGE MILLER, D.D., F.T.C.D.,	March 15, 1800.	Died, 1848.
WILLIAM PRESTON,	March 16, 1802.	,, 1807.
REV. WALTER STEPHENS,	March 16, 1805.	—
REV. WILLIAM DAVENPORT, M.A., F.T.C.D.,	March 15, 1806.	Died, 1824.
RIGHT REV. SAMUEL KYLE, D.D.(a)	February 23, 1807.	,, 1848.
RIGHT HON. AND MOST REV. JOSEPH HENDERSON SINGER, D.D., F.T.C.D.(b),	March 16, 1814.	,, 1866.
REV. FRANC SADLEIR, D.D.(c),	March 16, 1816.	,, 1851.
REV. RICHARD MACDONNELL, D.D.(d),	July 27, 1829.	,, 1867.
REV. HUMPHREY LLOYD, D.D., F.R.S.,(e)	March 16, 1838.	,, 1881.
JAMES MACCULLAGH, LL.D., F.T.C.D.,	March 16, 1840.	,, 1847.
SIR ROBERT KANE, M.D., F.R.S.,	May 9, 1842.	—
RIGHT REV. CHARLES GRAVES, D.D., F.R.S.(f),	March 16, 1846.	—
REV. JOHN HEWITT JELLETT, D.D.(g),	March 16, 1854.	—
JOHN KELLS INGRAM, LL.D.,	February 13, 1860.	—
ROBERT ATKINSON, LL.D.,	March 16, 1878.	—

* A Resolution was passed by the Academy on November 23, 1799: "That there shall be two Secretaries of the Royal Irish Academy, who shall attend all Meetings of the Academy and Council." *See* "Secretaries of the Academy."

(a) Provost of Trinity College, Dublin; Bishop of Cork, 1831.
(b) Bishop of Meath, 1852.
(c) Provost of Trinity College, Dublin, 1837.
(d) Provost of Trinity College, Dublin, 1852.
(e) Provost of Trinity College, Dublin, 1867.
(f) Bishop of Limerick, 1866.
(g) Provost of Trinity College, 1881.

V.—LIBRARIANS.

Name.	Elected.	
REV. DANIEL AUGUSTUS BEAUFORT, LL. D.,	March 15, 1788.	Died, 1831.
RICHARD KIRWAN, LL. D., F. R. S.[a],	March 16, 1791.	,, 1812.
REV. WILLIAM DAVENPORT, M. A., F. T. C. D.,	March 15, 1800.	,, 1824.
REV. WALTER STEPHENS,	March 15, 1806.	—
REV. THOMAS PRIOR, D. D.[b],	December 19, 1808.	Died, 1843.
WILLIAM BROOKE, M. D.,	March 16, 1810.	—
REV. THOMAS ROMNEY ROBINSON, M. A., F. T. C. D., F. R. S.[c],	March 16, 1817.	Died, 1882.
REV. WILLIAM HAMILTON DRUMMOND, D. D.,	March 16, 1822.	,, 1865.
JOHN THOMAS GILBERT,	March 16, 1861.	—
ROBERT ATKINSON, LL. D.	March 16, 1876.	—
JOHN THOMAS GILBERT,	March 16, 1878.	—
WILLIAM FRAZER, F. R. C. S. I.,	March 16, 1887.	—

(a) President of the Academy, 1799–1812.
(b) Vice-Provost, Trinity College, Dublin, 1840.
(c) President of the Academy, 1851–1856.

VI.—SECRETARIES OF FOREIGN CORRESPONDENCE.

Name.	Elected.	
REV. HENRY USSHER, D.D., F.T.C.D.,	May 2, 1785.	Died, 1790.
REV. GEORGE GRAYDON, LL.B.,	June 26, 1790.	—
ROBERT PERCEVAL, M.D.,	March 16, 1791.	Died March, 1839.
REV. GEORGE GRAYDON, LL.B.,	March 16, 1792.	—
COLONEL HUGH HILL,	March 16, 1803.	—
COLONEL EDWARD HILL,	March 16, 1811.	—
SIR WILLIAM BETHAM,	November 29, 1828.	Died, 1853.
JAMES MAC CULLAGH, LL.D., F.T.C.D.,	May 27, 1839.	,, 1847.
REV. HUMPHREY LLOYD, D.D., F.R.S.(a),	March 16, 1840.	,, 1881.
RIGHT HON. AND MOST REV. SAMUEL BUTCHER, M.A.,	March 16, 1846.	,, 1876.
SIR WILLIAM ROBERT WILLS WILDE,	March 16, 1856.	,, 1876.
RIGHT HON. AND MOST REV. SAMUEL BUTCHER, D.D.,	December 13, 1858.	,, 1876.
SIR WILLIAM ROBERT WILLS WILDE, M.D.,	March 16, 1864.	,, 1876.
ROBERT M'DONNELL, M.D., F.R.S.,	March 16, 1874.	—
WILLIAM ARCHER, F.R.S.,	March 16, 1875.	—
JOSEPH P. O'REILLY,	March 15, 1879.	—

(a) Provost of Trinity College, Dublin, 1867; President of the Academy, 1846–1851.

[B.]

NAMES of PERSONS to whom the CUNNINGHAM GOLD MEDALS have been awarded.

Year.	Name.	Year.	Name.
1796	THOMAS WALLACE.	1858	GEORGE SALMON.
1800	THEOPHILUS SWIFT.	1858	CHARLES WILLIAM WALL.
1805	WILLIAM PRESTON.	1858	WILLIAM REEVES (Bishop of Down and Connor).
1818	JOHN BRINKLEY (Bishop of Cloyne).	1862	HUMPHREY LLOYD.
1827	JOHN D'ALTON.	1862	ROBERT MALET.
1830	GEORGE PETRIE.	1862	WHITLEY STOKES.
1833	GEORGE PETRIE.	1862	JOHN THOMAS GILBERT.
1834	SIR WILLIAM ROWAN HAMILTON.	1873	SIR WILLIAM ROBERT WILLS WILDE.
1838	JAMES MAC CULLAGH.	1878	AQUILLA SMITH.
1839	JAMES APJOHN.	1878	JOHN CASEY.
1839	GEORGE PETRIE.	1878	EDWARD DOWDEN.
1843	SIR ROBERT KANE.	1878	GEORGE JAMES ALLMAN.
1848	SIR WILLIAM ROWAN HAMILTON.	1879	WILLIAM ARCHER.
1848	SAMUEL HAUGHTON.	1879	SIR ROBERT STAWELL BALL.
1848	EDWARD HINCKS.	1881	SIR HOWARD GRUBB.
1848	JOHN O'DONOVAN.	1883	EDWARD PERCEVAL WRIGHT.
1851	JOHN HEWITT JELLETT.	1884	JOHN BIRMINGHAM.
1858	EDWARD J. COOPER.	1885	JOHN CHRISTIAN MALET.

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